# SYSTEMS INTEGRATORS

### BY MEGAN A. DUTTA

his year was not, unfortunately, the year an AV integration firm hit \$1 billion—but we're getting closer. AVI-SPL once again took the top spot on *SCN*'s annual Top 50 list. The firm has a projected revenue of \$905 million from commercial AV systems installations this year—that's \$85 million more than its 2018 revenue.

The top four firms this year are the same as in the past several years: AVI-SPL holds the top spot, followed by Diversified and Whitlock, then AVI Systems. The number five spot in 2019 is occupied by Avidex, following the company's launch of a new portfolio of managed services in January. Ford Audio-Video dropped out of the top five and is number seven on the list.

New to the Top 50 for 2019 is AVMI, which landed at number 11; earlier this year, it expanded its U.S. presence with a larger office in the Tribeca district of Manhattan and added Craig Bonner as its executive

vice president in the United States. Key Code Media, also new to the list, took the number 20 spot.

ART BY BRI HERMANSON

Mergers and acquisitions have impacted the list, which seems to be the norm these days. Interestingly, Level 3 Audio Visual, which acquired Audio Visual Resources in March, actually dropped three places, from 34 to 37.

You'll notice there are more than 50 companies on the list this year—55, to be exact. That's because there were several ties: Solotech and Electrosonic at number nine; Carousel Industries and Washington Professional Systems at number 17; USIS AudioVisual Systems, Tierney Brothers, and Spectra Audiovisual Design at number 29; and TSI Global Companies and SVT at number 39.

It's important to note that all of the *SCN* Top 50 submissions are voluntary. The information provided comes directly from the integration firms who are willing to publicly share their financials to allow our readers to get a better sense of the size of the industry.

EVENU	E IN MILLIONS		YEARS IN BUSINESS	
L	AVI-SP	L Tampa, FL   81388	57905   http://avisp	ol.com 🚝
	905/905	807/807	7,800/2,500/51/40	AVI-SPL is a digital workplace services provider that works with organizations globally to improve team collaboration and unlock new business value. They offer collaboration technology solutions and award-winning managed services and work hand-in-hand with organizations worldwide to strategize, design, deploy, manage, and support AV and UC solutions that are simple to use, scalable, serviceable, and measurable to ensure business objectives are achieved.
2	DIVERS	SIFIED Kenilwo	rth, NJ   8447672738	3   http://diversifiedus.com 🔤
	875/975	700/750	20,000/2,500/55/26	Diversified is enabling a digital future,Äîconnecting people, technology, and experiences, where and when it matters most. Its global technology solutions are experienced by millions every day. Energizing crowds at the largest stadiums. Connecting global enterprise teams. Inspiring retail shoppers. Broadcasting the latest news. Supporting crises management. There isn,Åôt a problem too big or too complicated for its teams to solve.
3	WHITL	OCK Richmond,	VA   8042739100   h	ttp://www.whitlock.com 🔤
	360/360	325/325	2,500/850/21/63	Whitlock is a technology integrator with expertise in AV, video collaboration, and modern workplace solutions. Primary services include strategic planning, roadmap consulting, enterprise management, integration, and managed support. Additional expertise includes partnership in the Global Presence Alliance, workplace-as-a-service solutions, and integrated design and surroundings through a national partnership with Herman Miller.
4	AVI SYS	STEMS Minnea	polis MN   95248460	36   http://www.avisystems.com 🔤
	290/290	257/257	3,500/725/22/45	AVI Systems is a national leader in the design and integration of audiovisual, video conferencing, unified communications, and collaboration systems and infrastructure. In addition, the company offers a full suite of managed services including remote monitoring and management, on-site staffing, helpdesk, and on-site support.
5	AVIDEX	K Bellevue, WA   80	09998590   http://w	rww.avidex.com 🚝
	167.8/190.4	148.3/171.9	3,230 /456/7/15	Backed by the industry,Äôs most experienced and dedicated professionals, Avidex designs, builds, and supports custom audiovisual and unified communications solutions for organizations of all kinds.
6	SOLUT	IONZ Los Angel	es, CA   3105711207	http://www.solutionzinc.com
	150/150	140/140	2,152/440/18/19	Solutionz is a national AV integrator and services provider specializing in any-room design, implementation, and full coverage maintenance plans. Its services include IT, videoconferencing, cloud video, building environments, infrastructure cabling, premise security, telecommunications, security installations, managed

# DANTE I/O MODULES

Built with uncomplicated designs and the highest quality A to D and D to A converters, ProCo's AoD I/O Modules guarantee easy delivery of studio-quality, low-latency audio delivered through any analog source or Dante Network. The modules support 44.1, 48 and 96 kHz sampling rates and up to 24-bit depths.

ProCo's Dante-enabled interface solutions can be configured with Audinate's free Dante Controller software. Users can automatically discover and configure device parameters such as device names, channel labels, signal routing, sample rates and latency. Power is supplied through a standard Ethernet cable via a Power over Ethernet (PoE) capable network switch, or from a separate PoE injector circuit.





What vertical markets and/ or technologies exhibited the most growth for you in 2019?



Ken Scaturro, President and COO, Yorktel We have seen the

most growth in our managed services business, particularly with our alarming and monitoring capabilities. We have also experienced tremendous growth of our Microsoft practice driven by the transition from Windows 7 to Windows 10 and the customer migrations to device as a service.

ROJECTED 2019 REVENUE ROM COMMERCIAL AV YSTEMS INSTALLATIONS/ ROJECTED 2019 TOTAL EVENUE IN MILLIONS	2018 REVENUE FROM Commercial av systems/2018 Total Revenue in Millions	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
7 FORD A	AUDIO-VIDEO	) Oklahoma City, (	OK   4059469966   http://www.fordav.com
143.3/143.3	133/133	750/550/21/46	Ford AV is an engineering-based contractor/integrator that designs, installs, and services professional and commercial sound, audio-video, and lighting systems. Ford specializes in technically complex and time-sensitive projects. Ford is recognized for meeting milestones, delivering quality, and keeping our promises to the customer.
8 CCS PR	ESENTATION	N SYSTEMS	Scottsdale, AZ   4803480100   http://ccsprojects.com
143.2/159.9	120.6/136.4	4,852/344/27/28	CCS Presentation Systems provides design, engineering, installation, training, and maintenance of audio- video equipment to businesses, schools, and government clients. Solutions include video walls, room control, interactive collaboration tools, digital projectors, LCD displays, digital signage, audio systems, and more.
9 (TIE)	ELECTROSO	NIC Burbank, (	CA   8183333600   http://www.electrosonic.com 🖉
129.3/161.1	114.2/144.9	780/460/14/55	Electrosonic is an international audiovisual and technology services company that designs, builds, and supports innovative solutions creating lasting experiences where people live, work, and play. Founded in 1964, Electrosonic has been recognized for its superior and unsurpassed technology master planning and system integration. With unique global capability, it delivers highly complex world-class projects, conference room technology, and executive briefing centers.
9 <b>(TIE)</b>	SOLOTECH	Montreal, QB   514	45267721   http://www.solotech.com
115/270	250/101	300/1,400/13/42	Solotech provides turnkey solutions for the design, delivery, service, and maintenance of AV systems including drawing rendering, engineering, project management, installs, and programming. Solotech has recently created a business unit focusing on the sale of used high-quality AV gear.
O SKC CC	MMUNICAT	IONS Kansas C	City, MO   9135437178   https://www.skccom.com/ 🔤
115/166	105/152	1,100/305/11/33	SKC designs, builds, and manages technology for business collaboration using AV, video, voice, and wireless technologies to help organizations communicate smarter and faster.
ll AVMIC	GROUP London,	UK   6465996794   h	nttp://www.avmi.com
112/112	102/102	2,500/510/6/29	AVMI is a leading global integrator helping customers rethink and reshape their workspace environments with the latest communications and collaboration technologies to drive employee productivity and customer engagement.

World-class technology Outstanding solutions Worldwide expertise

AUDIO VIDEO LIGHTING RIGGING CONTROL SYSTEMS

CONFERENCING & COLLABORATION



What vertical markets and/ or technologies exhibited the most growth for you in 2019?

Q&A

Bill Chamberlin, Vice President of Global Sales, Verrex

Rather than a single vertical or application, Verrex has seen an increased emphasis on "choice" in workplaces,



translating into multiple technologies and space/solution types to fit different workstyles and collaborative activity-based working. Our clients are taking their employees' preferred workstyle and building spaces and adopting technologies to accommodate.

LV1 for Existing Walls

YFARS

FAR

Innovation

# Q&A

What was the biggest business challenge of 2019, and how have you overcome it?

#### Jeff Davis, CEO, Avidex



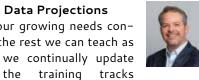
As we continue to experience significant growth in our business, one of our greatest challenges is finding qualified talent to expand our workforce. To address this, we have developed relationships with many of the schools near our major branch operations, developing relationships with their placement offices. This has given us access to a new pool of talented individuals who might not otherwise consider our industry. Additionally, we have enhanced our overall

compensation packages to ensure that we are competitive not only in wages but in the other components as well, including 401(k), healthcare, paid volunteer time off, and PTO.

Made in USA

LV2

Robby Turner, CTS, Executive Vice President Sales and Marketing, Data Projections Finding experienced and qualified technical personnel to keep up with our growing needs continues to be a challenge. We recruit for the right attitude above all else; the rest we can teach as



**NON-METALLIC** 

### MOUNTING BRACKETS FOR CLASS 2 LOW VOLTAGE WIRING

LVS1

Nail-on LVN1

New Construction

Arlington's non-metallic mounting brackets offer the best way to install Class 2 wiring! They seat wall plates flush with the mounting surface install faster and cost less than metal!

In existing construction, centered mounting wing screws pull the bracket securely against the wall. The LV series (LV1 and multiple gang brackets) adjust to fit 1/4" to 1" wall thicknesses.

For new construction, the nail or screw-on LVN series brackets attach to a wood stud. They cost less than extension rings and install faster than mud rings. For screw-on, steel stud installations, try the LVS or LVMB series.

We also offer a variety of low voltage brackets for specialty applications.

(UL) (SP

Arlington<sup>®</sup> 800/233-4717 www.arlingtonlowvollage.com



it a step further and be personally involved with developing the talent pool. Rhonda Wingate, Vice President of Visual Collaboration

offered to our staff and take

advantage of manufacturers' training opportunities. We're

in the process of updating our internship program to help in the development of talent and

the future leaders of our industry. Both AVIXA and NSCA are

doing a great job evangelizing

our industry, but we like to take

Sales, Carousel Industries The biggest challenges in 2019 were in keeping up with the pace and growth of



the business. With a focus on enhancing customer experience, Carousel invested strategically, redesigning processes to anticipate the demand for faster turnaround times for quotes. Additionally, customers expect shorter lead time on project implementations, which may put a strain on internal resources.

#### Jeff Irvin, Principal, Spinitar

We needed to staff up this year-and I mean really staff up. We had an individual who played the role of full-



time recruiter to help us fill the holes.

#### John Godbout, Founder and CEO, CCS Presentation Systems

A definite challenge this year was recruiting and training skilled AV techs and engineers. The strength of the



U.S. economy and resulting low unemployment rate made it difficult to find good people.

PROJECTED 2019 REVENUE FROM COMMERCIAL AV SYSTEMS INSTALLATIONS/ PROJECTED 2019 TOTAL REVENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
12 CORBET	TT TECHNOI	LOGY SOLUT	TIONS INC. (CTSI) Chantilly, VA   7036313377   https://www.ctsi-usa.com/ 🔤
95.5/95.5	81/81	790/300/3/50	CTSI is a leading communications solutions provider focused on identifying the specialized needs of its customers to deliver advanced technology solutions that produce positive business outcomes.
<b>13</b> HB COM	IMUNICATI(	ONS North Hav	en, CT   8002344414   http://www.hbcommunications.com
92/113	92.1/111.8	1,400/350/6/73	HB's deep experience across six key areas of specialization—advanced AV integration, video collaboration, digital signage, broadcast, managed services, and event production—gives the company the insight and ability to create communication environments that drive innovation and growth.
14 TRITEC	H COMMUN	ICATIONS 1	New York, NY   6312544500   http://www.tritechcomm.com
90/110	80/100	250/300/6/16	Tritech provides audiovisual design, system integration, and managed services.



ONE SOURCE, THREE TIMES THE CAPABILITY AS A MULTI-DISCIPLINE TECHNOLOGY SYSTEMS INTEGRATOR, OUR TEAM OF PROFESSIONALS HAVE EARNED A REPUTATION FOR OPERATIONAL EXCELLENCE AND CUSTOMER SATISFACTION.

CHOOSE TRITECH TO CONNECT YOUR BUSINESS



New York 646-292-1500 Washington DC 301-577-7610 Boston 781-202-9442 New Jersey 201-547-1771



### What is the secret to collaborating with other members of the AV community like architects and content creators?

#### Jeff Irvin, Principal, Spinitar



I don't believe that offering AIA CEU lunch & learns with architects is the answer. While it is an easier way to get in front of them, I don't think you get in front of the right people. AIA and IIDA chapters

Q&A

and associations have mixers on a regular basis, and getting to these and networking is the better approach. Regarding content creators, I believe there is a great opportunity if you team up. Leverage them on digital signage projects you're working on, and they will leverage you on projects they're working on. They don't do what we do, nor do we do what they do. Match up!

#### Moose Adams, General Manager – Pacific Northwest, Avidex



The most important part of the process is listening. We have more competition, continuously changing technology, and seemingly less time to do the most important thing we do, which is manage relationships.

When we focus on absorbing and using the information we are given to guide and support the process, we all win. The process of guiding a client takes nuance and the willingness to be a partner with consultants and architects alike. What the architect wants to know is if you can execute a design that someone else has created. Building trust in the architectural community can be challenging as integrators are often seen as inflexible.

PROJECTED 2019 REVENUE FROM COMMERCIAL AV SYSTEMS INSTALLATIONS/ PROJECTED 2019 TOTAL REVENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED	
<b>15</b> IES COI	MMUNICATI	ONS Tempe, AZ	4803796200   http://www.iescomm.com	
86/950	72/876.8	510/4,840/100/35	IES specializes in cutting-edge AV design and integration services, with a focus on enterprise solutions for room automation, video collaboration, digital media, background music/paging systems, and distributed AV infrastructure. IES offers AV design consulting, sound system commissioning and calibration, and digital signage content development. Other core offerings are structured cabling, data center integration, OSP, life safety, PoE lighting, security, and Wi-Fi/DAS.	
<b>16 IVCI</b> на	uppauge, NY   80022	47083   http://www	zivci.com 🚈	
85/85	83/83	2,100/190/3/24	IVCi creates, builds, supports, and integrates global collaboration environments and AV experiences using an unparalleled service model. Cutting-edge technology is combined with a unique suite of managed services and proprietary software that's designed to promote productivity, modernization, and bottom-line growth.	
17 (TIE)	CAROUSEL	INDUSTRIES	Exeter, RI   8004010760   http://www.carouselindustries.com	
80/540	75/510	750/1,300/27/27	Carousel is an IT services and system integration firm providing technology solutions in unified communications, video and AV integration, data, security, cloud, and managed services. Primary AV integration services include design, implementation, training, break-fix, preventative maintenance, video cloud, monitoring and analytics, network and room assessments, on-site staffing, and adoption services.	
17 (TIE)	WASHINGT	ON PROFESS	SIONAL SYSTEMS Wheaton, MD   3019426800   http://www.washprosys.com	
80/90	70/86	62/49/2/34	WPS is a full-service AV systems integration firm offering AV design engineering, integration, and support services with expertise in UC, command and control, broadcast, and professional audio systems.	

# 

### AV for modern workspaces and meeting environments.

- Compact form factor, discreet systems
- Universal AV format connectivity
- Hands-free, zero UI operation
- Video conference with Zoom, Skype, and more
- Ready for 4K
- Peace of mind with continous monitoring



www.atlona.com/omega

FROM COM SYSTEMS IN PROJECTED	D 2019 REVENUE IMERCIAL AV NSTALLATIONS/ D 2019 TOTAL N MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED	
18	VIDEO (	CORPORATIO	ON OF AME	RICA Somerset, NJ   7325458000   http://vcaglobal.com	
	62/62	51/51	1,400/98/3/47	VCA creates integrated audiovisual experiences for organizations across a broad spectrum of markets. The company designs, engineers, integrates, services, and supports technology solutions for a workforce that is tech-savvy, mobile, collaborative, and driven by measurable outcomes. VCA delivers global solutions through its PSNI network.	
19	CENERC	) Malvern, PA   888	84546863   http://w	ww.cenero.com	
	61/61	50.2/50.2	600/225/5/20	Cenero is a service-focused audiovisual, unified communications, and IT solutions provider.	
20	KEY CO	DE MEDIA L	os Angeles, CA   818	3033900   http://www.keycodemedia.com	
	60/60	45/45	803/85/9/18	Key Code Media is a nationwide design and systems integrator supporting radio stations, post-production, house of worship, corporate, city government, sports venues, and education centers with custom or turnkey systems. The Key Code Media difference comes from our breadth and depth of engineering services, with experience in supporting projects large and small with the same level of exceptional service.	
21	21 PARSONS TECHNOLOGIES Minneapolis, MN   7635718000   http://www.parsonscorp.com				
	58.5/114	56.6/103	3,000/350/8/34	Parsons Technologies and its affiliates provide integrated technology solutions from conception through design, installation, commissioning, and maintenance. The firm specializes in commercial audiovisual, broadcast, network infrastructure, mobile solutions, and security systems.	



### THE LEADING M&A ADVISOR TO THE A/V INDUSTRY

THERE'S NO SUBSTITUTE FOR EXPERIENCE



ROM COM YSTEMS II ROJECTE	D 2019 REVENUE IMERCIAL AV INSTALLATIONS/ D 2019 TOTAL N MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ 5 FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
22	ADVAN	CED SYSTEN	<b>IS GROUP</b>	Emeryville, CA   5106548300   http://www.asgllc.com
	57/79	52/70	24/220/5/22	Advanced Systems Group (ASG) is a single source for high-quality audio, voice/data/video, fire alarm, computer consulting, CCTV/security, and other systems that enable sophisticated, high-impact communications.
23	RED TH	READ SPACE	ES Boston, MA	6174394900   http://www.red-thread.com
	52/295	48/280	1,400/530/10/60	Red Thread Spaces provides complete integrated interiors that leverage research, space planning, furniture, and technology that transform clients' workplaces to support their business goals.
24	VERREX	K Mountainside, N	IJ   8003038170   ht	ttp://verrex.com 🔤
	50/50	46/46	270/160/10/72	Founded in 1947, Verrex is a systems integrator and managed services provider that brings together AV and IT technology infrastructure, devices, and software to create environments and experiences that foster innovation, engagement, and collaboration. Verrex designs, integrates, supports, manages, and deploys AV and UC solutions that help organizations thrive within evolving workforces, environments, and work styles.
25	ALPHA	VIDEO & AU	DIO Eden Prai	irie, MN   9528969898   http://www.alphavideo.com
	49/49	46/46	920/92/1/49	Alpha Video & Audio provides broadcast, AV, IPTV, and digital signage solution design, project management, system integration, technical support, equipment rental, and creative motion graphic design.
26	SPINIT	<b>AR</b> La Mirada, CA	A   7143672900   htt	tp://www.spinitar.com 🚝
	46/50	41/45	400/165/5/33	Spinitar designs, builds, and supports high-performance work and learning spaces, creating better experiences that yield better outcomes.
27	SENSO	RY TECHNOI	LOGIES India	anapolis, IN   3173475252   http://www.sensorytechnologies.com 🖉
2	44.5/44.5	41.8/41.8	825/161/7/14	Sensory Technologies provides design, integration, managed services support, and cloud-based solutions for audiovisual systems, virtual collaboration, digital media, video content management and streaming, unified communications, video production, and on-site client embedded support.

### TOOLS FOR THE TRADE SUCCESSFUL INTEGRATORS CHECKLIST

### **M** ACTIVE OPTICAL CABLES FOR USB AND HDMI EXTENSION USB 3.0/3.1 GEN 1 JAVELIN™ CUSB-AP\* Plenum Rated Data transfer rates of up to 5 Gigabits per second Offers fiber-optic noise immunity No additional power supply required Supports all USB 3.0 devices Thin and flexible with bend radius of 0.3 inch 回接回 論 4K JAVELIN™ HDMI CABLE W/DETACHABLE ENDS CHD-DE\* **4K JAVELIN<sup>IIII</sup>** HDMI CABLE W/DETACHABLE Supports virtually all HDMI and DVI Resolutions Including 4K UHD Thin, Flexible and Lightweight (only 12 oz for 15m (50ft) cable) Hybrid Fiber-Optic / Copper Construction Plug and Play, No Power Supply Required Available in standard lengths of 10, 15, 23, 46, 60 and 100 meters (33, 50, 75, 100, 150, 200 and 333 ft) 🗹 HIGH SPEED 4K60 LATCHING HDMI C ABLES - SNUGFIT™ CHD-SF\* 4K60 HDMI Video/ 18Gig Bandwidth Increases retention force Snaps in with audible click HR HALL RESEARCH SERVING YOU SINCE 1984 hallresearch.com 714-641-6607

What vertical markets and/ or technologies

exhibited the most growth for you in 2019?

Rhonda Wingate, Vice President of Visual Collaboration Sales, Carousel Industries



Industries We saw tremendous interest and growth in the allin-one conferenc-

ing systems, such as Crestron Flex, Cisco Room Kits, and Poly Trio bundles. Customers are looking for solutions that are easy to use, install, and support, and that also integrate into their current UC environments.

PROJECTED 2019 REVENUE FROM COMMERCIAL AV SYSTEMS INSTALLATIONS/ PROJECTED 2019 TOTAL REVENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
28 YORKT	EL Eatontown, NJ	8668368463   http	://www.yorktel.com
43.6/115.2	60.2/116.2	820/374/8/35	For 35 years, Yorktel has helped customers plan, navigate, and successfully execute their digital workplace transformation initiatives. Its global team works with clients to ensure systems evaluations, network preparedness, technology assessments, change management planning, device and network management, and monitoring have been addressed. The company then designs, integrates, and manages the communication and collaboration solutions that enable clients to achieve more.
29 (TIE)	SPECTRA AU	JDIOVISUA	L DESIGN New York, NY   2127442255   http://www.spectra-ny.com
42/45	39/41	452/98/3/29	Spectra provides audiovisual integration, audiovisual maintenance, auditorium AV, audio conferencing implementations, classroom AV, boardroom AV, video walls, LED pixel walls, theater integration, digital signage, AV project management, acoustics, AV programming, AV budgeting, and videoconferencing solutions.
29 (TIE)	TIERNEY BR	OTHERS st.	Paul, MN   6124553682   http://www.tierneybrothers.com
42/116	33.5/104.8	1,600/164/1/42	Tierney offers services in system design and integration, professional development, technical support, and digital signage.



Working with an unresponsive LED manufacturer can delay projects.

Contact Neoti and discover how our team quickly responds and meets your timelines.



```
What vertical markets and/or technologies exhibited the most growth for you in 2019?
```

Robby Turner, CTS, Executive Vice President Sales and Marketing, Data Projections



The enterprise and corporate markets continue to be strong in our region. The market continues to push for simple, easy-to-use, and easy-to-support solutions to help deliver its message. We've seen significant growth and interest in subscription services. Our AVaaS program changes how our

Q&A

customers consume the technologies and solutions we deliver by enabling them to provide their own internal customers with the latest technology and ongoing support in an opex subscription model—saving their capex funds for other projects/investments to help them grow their businesses.

#### Dana Barron, CEO, HB Communications



Today it is difficult to identify individual technologies that grow independently of other technologies because they are all connected. For instance, our digital signage group may have high-level conversations regarding a global deployment and then, as a result of that, we close a large broadcast

opportunity or a highly-customized AV solution. Technologies and services in our space make up what HB calls the "AV Ecosystem" that, in the end, addresses all the needs of our clients who want to communicate internally and externally at the highest level possible.

#### Jim Scalise, General Manager – Northern California, Avidex



To no one's surprise, direct view LED has been a growth area for us. Yes, it is nothing new this year and we have been quoting them for a long time, but the prices have come down enough and the technology has improved enough for it to be a viable solution for many of our customers. It is

definitely meeting a need for many of our customers when traditional solutions like large-screen displays are not big enough, projection is not bright enough, or either of those does not provide a "wow" factor. We see dvLED to continue to be a growth area for us.

OJECTED 2019 REVENUE OM COMMERCIAL AV STEMS INSTALLATIONS/ OJECTED 2019 TOTAL VENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
29 (TIE)	USIS AUDIO	VISUAL SYS	STEMS Pearl River, NY   8453539226   http://usisav.net 🔤
42/180	32/154	360/900/12/31	USIS AudioVisual Systems provides design, integration, support, and managed services for specialty spaces, video walls, custom boardrooms, collaborative and interactive environments, and enterprise-level systems (room standardization, audio-video transport, ROI reporting). USIS utilizes in-house BIM modeling and rendering for its audiovisual, communications, security, and electrical disciplines. USIS provides its services nationally and globally to customers ranging from start-ups through Fortune 500 companies.
DATA	PROJECTION	S Houston, TX   7	137811999   http://www.dataprojections.com 🔤
41/41	40/40	1,020/95/4/32	Data Projections is an audiovisual systems design and integration firm providing advanced collaborative technology solutions and support services. Solutions include AV systems integration, AV conferencing/collaboration, unified communications, digital signage, content management/delivery, interactive technology, AVaaS, and managed services.
<b>31</b> GENES	SIS INTEGRAT	<b>FION</b> Edmonto	n, AB   7804553000   http://www.genint.com 🖉
40/50	43/52	775/120/9/29	Genesis provides services in AV integration, collaboration solutions, nursecall systems, school communication systems, and conferencing software.
2 CONS	TANT TECHN	OLOGIES No	orth Kingstown, RI   4012947171   https://constanttech.com
40/40	30/30	90/75/2/37	Constant Technologies specializes in mission-critical command and control environments such as cyber operations centers, NOCs, SOCs, EOCs, war rooms, briefing centers, and collaborative spaces around the world. CTI focuses on in the integration of 24/7 video wall systems meant to withstand rigorous, round-the-clock use. In addition to design and integration, Constant also offers comprehensive service and support.
3 TEKW	ORKS Poway, CA	8586681705   http	://www.TekWorks.com 🔤
35/70	31/58	300/220/2/21	TekWorks, a Paladin Company, crafts and installs technology solutions for companies requiring network cabling, data center, outside plant, fiber optics, audiovisual, physical security, and network services. Through the design-build process, the team is able to identify the latest AV solutions and build sustainable systems that achieve a combination of ultimate performance and value.
4 LINX	MULTIMEDIA	Denver, CO   303	5741552   http://www.teamlinx.com
			LINX Multimedia works with its clients through intelligent designs, installation, and support of technology that enables

# See it all in 4K UHD

Professional **4K visual solutions** from Optoma.

Project incredible detail, color and clarity with 4K UHD visual solutions from Optoma, the world's leading brand in 4k UHD projection<sup>1</sup> technology. Support for HDR technology brings rich colors and outstanding contrast while maintaining high brightness to bring visuals to life.



ZK1050/ZK750

- Up to 10,000 lumens
- Laser up 30,000 hours of maintenance-free operation
- Interchangeable lens
- Six lens options
- 0.85 to 10.18 throw ratios

- 0.
- ZK507
- 5,000 lumens
- Laser up 30,000 hours of maintenance-free operation
- 1.39 2.22 throw ratio



Optoma

4KULTRA HD

Creative Touch interactive flat panels

- Up to 20-point multi-touch
- Integrated Android OS
- 65, 75 and 86-inch sizes

### Q&A

### Why is the AVIXA APEx designation important to your business?

Dana Barron, CEO, HB Communications



HB has been APEx certified from its inception. We believe in the value and discipline that

the APEx designation requires. Making sure HB employees are trained and have their CTS/ CTS-I/CTS-D, as well as HB having integration processes that ensure the highest level of delivery, is critical to our clients' success.

PROJECTED 2019 REVENUE FROM COMMERCIAL AV SYSTEMS INSTALLATIONS/ PROJECTED 2019 TOTAL REVENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
<mark>35</mark> мса со	OMMUNICAT	TIONS Houston	n, TX   2815912434   http://www.mcacom.com
30/50	25/45	1,000/350/3/36	MCA Communications is a communication technology integration company with a focus on design build projects for audiovisual, network cabling, wireless, and security solutions.
36 VISTAC	OM Allentown, I	PA   6107919081   htt	p://www.vistacominc.com 🔤
27/27	26.5/26.5	230/78/1/65	Vistacom provides audiovisual integration, control room integration, unified communications, and collaboration managed services.
<b>37</b> LEVELS	3 AUDIO VIS	UAL Mesa, AZ	4808921071   http://www.level3av.com
27/30	25/28	225/90/2/23	Level 3 AV specializes in the design, engineering, integration, and interoperability of AV technology.
38 VISION	TECHNOLO	GIES Glen Burn	nie, MD   8667461122   http://www.visiontechnologies.com
25/130	21/101	5,410/558/3/19	Vision Technologies offers a full range of presentation and interactive visual communication solutions, from collaborative huddle solutions to board rooms, video walls, and unified communications. Its Integrated Technology Delivery methodology (ITD) significantly reduces change orders and accelerates projects through effective collaboration and design, saving time and money.
39 (TIE)	SVT Brighton, M	1I   2485872115   http	p://www.gosvt.com
22/30	16/19.8	409/100/2/64	SVT is a value-added distributor of technology solutions and services, and aims to provide a premier client experience.
39 (TIE)	TSI GLOBAL	COMPANIE	S St. Charles, MO   6369498889   https://www.tsi-global.com/
22/37	20/35	544/167/1/32	TSI is a full,Äêservice electrical and low,Äêvoltage systems integrator providing convergent audio and video, networked communications, and security system solutions to customers around the world.
40 INTERA	ACTIVE DIGI	TAL SOLUTI	ONS Noblesville, IN   8778800022   http://www.e-idsolutions.com
20/20	19/19	325/83/10/19	IDS is a video communication enablement, integration, and support organization delivering end-to-end video collaboration solutions to hundreds of organizations nationwide. Its solutions are powered by the company's partnerships with best-of-breed video software and hardware providers, backed by expert AV engineers, enhanced by its experienced installers, and fully supported by its customer care center.

### THE IDS FASTTRACK PROGRAM

# Zoom Rooms as a Service

- ✓ Pre-configured Zoom Room Solutions for Any Size Meeting Space
- Certified Zoom Video Conferencing and Hardware
- End Point Management, Monitoring, and Maintenance
- Customer Care Center with 24x7 Help Desk Support
- Training & Custom In-Room User Guides



### **DSolutions**

OJECTED 2019 REVEN COM COMMERCIAL AV STEMS INSTALLATIONS ROJECTED 2019 TOTAL EVENUE IN MILLIONS	2018 REVENUE FROM COMMERCIAL AV SYSTEMS/2018 TOTAL REVENUE IN MILLIONS	NUMBER OF 2019 INSTALLATIONS/ FULL-TIME EMPLOYEES/ COMPANY LOCATIONS/ YEARS IN BUSINESS	PRIMARY SERVICES OFFERED
<b>41 JKL</b>	<b>TECHNOLOGIE</b>	S Thousand Oaks	, CA   8053755820   http://www.cos-jkl.com
19/28.2	20.4/29	449/54/5/15	JKL Technologies is an information technology solutions firm helping businesses manage, move, improve, and integrate their entire technology infrastructures. It provides a single source of expertise in technology relocations, infrastructure build-out, audiovisual design, installation/implementation, maintenance, and on-site support services.
<b>12</b> TOTA	AL VIDEO PROD	UCTS Micklet	on, NJ   8564237400   http://www.totalvideoproducts.com 🔤
18.6/20.6	18.1/20.4	233/44/1/30	Total Video Products is a full-service AV systems integrator offering AV design engineering, integration, and support service.
13 NEU	RILINK Boise, ID   2	:084268238   http://	'neurilink.com
17.2/17.2	13.6/13.6	435/54/2/7	Neurilink is dedicated to providing AV design, installation, and support to organizations throughout the Northwest U.S. It offers professional AV solutions for meeting rooms, huddle spaces, boardrooms, classrooms, and unique environments.
4 LIGH	TWERKS COMI	MUNICATIO	ON SYSTEMS Los Angeles, CA   8885454489   http://www.lightwerks.com
17/21.5	20.5/20.5	350/60/5/23	LightWerks is a full-service system integrator offering design, installation, project management, programming, training, and support/maintenance services of audiovisual systems throughout the West Coast, and increasingly throughout the U.S. and Canada. The company specializes in cloud-based conferencing, interactive technologies, and adopting new applications.
5 TELS	SYSTEMS Ann Arb	oor, MI   7347614506	6 http://www.thalner.com
14/14	14.8/14.8	235/35/2/55	TEL Systems creates custom audio and video technology solutions with a focus on the design, installation, and maintenance of educational, industrial, government, and broadcast audio video systems. TEL's comprehensive product line, professional design engineering and installation personnel, and factory-trained technicians guarantee client satisfaction. Once the system integration is complete, the company,Äôs employee owners provide a high level of ongoing support.
6 AV-T	ECH MEDIA SO	LUTIONS R	oswell, GA   7706631277   http://www.avtechmedia.com
13.3/14.6	11.3/12.3	154/50/5/16	AV-Tech Media Solutions connects its customers with the right technology to bring life to their technology objectives; clients benefit from its single-source services for consultation, design, engineering, and integration of workspace technology solutions, memorable event production services, and custom support solutions.
7 sou	ND IMAGE Escone	dido, CA   76073739	00   http://www.sound-image.com
13/13	10/11	60/44/2/27	Sound Image provides design, installation, and service of integrated audio, video, and lighting systems.
8 APPI	.IED VIDEO TEC	CHNOLOGY	Kimberton, PA   6104070776   http://www.appliedvideo.com
12.7/14.1	12/12.5	267/31/1/24	AVT has been an audio video systems integrator in the Philadelphia area since 1996; the company assists its customers in design, installation, training, and support of custom digital media AV solutions.
9 INTE	RSTATE ELECT	RONIC SYS	TEMS Harahan, LA   5047296111   http://www.ies-llc.com
10/9.9	9.1/9.1	418/31/1/16	IES is a provider of design, procurement, installation, programming, training, and after-sale service and support of audiovisual system:
50 PIVI	UM Phoenix, AZ   6235	5870556   http://wv	vw.pivium.com
9.9/10	9.6/9.6	250/9/1/28	PIVIUM is a nationwide full-service design and integration partner for architects and facility owners who need expert support in integrating technology, content, and modern audiovisual products into their spaces.