

# Education



## Improve School Security in Real-Time

With growing concern for safety in our schools across the nation, school systems are taking a renewed examination of their security equipment and protocols. Traditional video surveillance systems do not provide enough situational awareness and early detection. Many schools are now leveraging the combined technologies of audio and video surveillance to keep their students, staff and campuses safe.

Integrating microphones, intercoms and two-way speakerphones with cameras gives staff access to more details about a suspect or scene. Voices, names, languages spoken and directions are just a few examples of what information can be aggregated. Beyond detection, audio monitoring creates opportunities for de-escalation and prevention. Having the ability to communicate in real-time can be a powerful warning that dissuades a trespasser from vandalizing the property or committing other offenses. Adding audio equipment to your system is a cost-effective investment that improves the security system while requiring minimal installation.

### Suggested placements

- > Additional Evidence
- > Monitoring Efficiency
- > Crime Deterrence
- > Dispute Resolution
- > Main Entrances
- > Classrooms & Hallways
- > Cafeterias & Common Areas
- > School Buses



AOP-SP-PB



Aggression & Gunshot Detectors



TLO speaker with microphone



ASK-4® kit #108





# Healthcare



## Upgrade Security for Patients and Providers

As healthcare facilities require a heightened level of physical security, administrators are looking for new technology that not only protects their campuses, but is also faster and more effective than systems in the past.

Louroe Electronics' audio solutions have been installed in hospitals, long-term care facilities and other healthcare facilities around the globe to increase both security and service of patients and healthcare staff. Audio solutions helps staff speak quickly and easily with patients. Frequently used at nursing and technician stations, two-way audio systems allow personnel to communicate with patients at the touch of a button and patients can respond hands free.

### Suggested placements

- > Patient Rooms & Nurse Stations
- > Reception & Emergency Room
- > Hallways & Waiting Areas
- > Therapy & Psychiatric Departments
- > Entrances, Exits & Restricted Areas



ASK-4® kit  
#501



Aggression  
Detector






AOP-SP-CF



AOP-SP-PB

# Speaker Microphones

Remote Call Stations	Wall-Indoor				Outdoor
	Surface		Flush		
	TLSP-S	TLSP-PB-WS	TLSP-F	TLSP-PB-WF	TLMC-W
					

Speaker Microphone For IP Cameras	Ceiling		Wall-Indoor	Outdoor		
	Surface	Flush				
	AOP-SP-CS	AOP-SP-CF	AOP-SP-W	AOP-SP-PB	AOP-SP-E	AOP530
						
						NEW

# Speaker Mic For IP Camera

## Speaker Microphones



Model	AOP-SP-CS	AOP-SP-CF	AOP-SP-W	AOP-SP-PB	AOP-SP-E	AOP530
<b>LE Product Number</b>	LE-114	LE-115	LE-164	LE-128	LE-165	LE-530
<b>Speakerphone Mounting</b>	Surface ceiling	Flush ceiling	Wall			
<b>Indoor/Outdoor</b>	Indoor			Outdoor-weather resistant		

### Specifications

Microphone					
Pick Up Pattern	Omni-directional, within 30' diameter circle				Omni-directional
Type	Electret condenser				
Sensitivity	-45 dBV/Pa    1 Pa = 94 dB SPL				-45 dBV
Frequency Response	40 Hz to 15 kHz				
Output	Line level (0 dBV, 600 Ω @ 1 kHz)				Line level (0 dBV, 50 Ω @ 1 kHz)
Current Drain	200 mA				600 mA
Supply Voltage	12 Vdc				Nominally 12 Vdc (10-16 Vdc)
Speaker					
Speaker Output Power	1W @ 8 Ω				2.5W @ 8 Ω
Input	Line level 600 Ω @ 1 kHz				Line level 10 Ω @ 1 kHz
Frequency Response	30 Hz to 20 kHz				300 to 400 kHz
Speaker Magnet	1.73 oz Ceramic				Neodymium
Speaker Size	4"				2"
Housing					
Material	Steel		Stainless steel		
Weight	2 lbs 12 oz		1 lb 6 oz	1 lb 7 oz	1 lb 6 oz
Dimensions	Grill: 12 7⁄8" dia Backbox: 12 3⁄8" dia x 3" H	Grill: 12 7⁄8" dia	Faceplate: 8" H x 6 1⁄4" W Backbox: 8" x 6 1⁄4" W x 2 3⁄4" D		Faceplate: 6.5" H x 4.88" W Backbox: 5.25" L x 2.68" W x 1.8" D
Compatibility	DVR, IP camera, encoder				CCTV, DVR
UL Listed	x				-