



American Dynamics

A Tyco International Company

IP SpeedDome

IP Programmable Dome Cameras



Features That Make a Difference:

- ONVIF-compatible
- Uses the intuitive Illustra Connect tool to make installation and configuration fast and easy
- Improved video and audio streaming
- 22x and 35x optical zoom
- Supports 30ips NTSC and 25ips PAL in H.264, MJPEG, MPEG-4 and ACC
- PoE leverages existing IT network infrastructure to reduce installation and startup costs
- 35x series offers 540 TVL, Electronic Image Stabilization, True Day/Night, and Wide Dynamic Range
- Time-stamped video and audio can provide synchronized information
- Up to 32 privacy zones
- Supports up to 96 preset positions with user-defined titles and 16 preset sequences
- Built-in web server
- Fully compatible with VideoEdge NVR v4.01 and Intellex IP

Leveraging the same innovative features found in the analog programmable dome cameras and adding the power of IP, IP SpeedDomes are available with either 420x total zoom (35x optical zoom with 12x digital magnifier) or 242x total zoom (22x optical zoom with 11x digital magnifier).

The 35x series includes powerful features that contribute to IP SpeedDomes high image quality including Electronic Image Stabilization, Wide Dynamic Range (WDR) and True Day/Night.

IP SpeedDomes offer de-interlacing which significantly improves picture quality by removing artifacts caused by capturing moving images at separate points in time. De-interlaced images enhance visual quality, reduce the workload for downstream image compression, and save storage space.

ONVIF compatibility allows the IP SpeedDome ready interoperability with other ONVIF-compliant third party NVRs. The Illustra Connect tool allows you to find this camera anywhere on the network.

Compatible with VideoEdge NVRs and Intellex IP, the IP domes support H.264, MJPEG, MPEG-4 and Active Content Compression (ACC) technology. Powerful bandwidth management capabilities allow the domes to monitor a single IP stream

and limit the amount of compressed data to a user-controlled threshold.

A built-in web server allows you to configure the domes and stream video using Internet Explorer version 6 and higher. An intuitive control interface lets you adjust images per second and resolution based upon specific viewing/recording requirements. In addition, you can easily access presets, patterns, and other programmable features.

Up to 16 streaming clients simultaneously are now supported. There is also added support for RTSP/TCP, RTP/RTSP/TCP, and RTP/RTSP/HTTP/TC, and full stream sharing to multiple clients.

Based on privilege level, you can access all or some of the functionality via the web:

- Live video and camera controls, as well as configuration of video, presets, patterns, scans/sequences, privacy zones, audio and camera settings.
- Configuration of the PTZ functionality overlay settings, areas within the field of view, alarms, sequences, scheduled tasks, video settings and audio.
- Networking configuration of camera date and time, TCP/IP, user rights, SMTP, FTP, firewall, general maintenance and advanced settings.

	35x Series	22x Series
Camera		
Horizontal Resolution	540 lines	470 lines
Imager	Interline transfer 1/4-inch CCD array	Interline transfer 1/4-inch CCD array
Scanning System	2:1 interlaced	2:1 interlaced
Wide Dynamic Range, EIS, Day/Night	Yes	No
S/N Ratio	>50 dB (typical)	>50 dB (typical)
Minimum Illumination (20IRE, AGC)	0.24 lux (Color); 0.028 lux (Color with 1/4 sec open shutter) 0.021 lux (B/W IR Mode); 0.00041 lux (B/W IR Mode with 1/2 sec open shutter)	0.3 lux (Color) 0.02 lux (Color with 1/4 sec open shutter)
White Balance	Through the Lens (TTL) Automatic; Tracing White Balance (ATW)	Through the Lens (TTL) Automatic Tracing White Balance (ATW)
Shutter Speed (Auto)	1/2 - 1/30,000 (1/1.5 - 1/30,000)	1/2 - 1/30,000 (1/1.5 - 1/30,000)
Lens		
Aperture (Aspherical Design)	f1.4	f1.6
Focal Length	3.4 to 119 mm	4 to 88 mm
Wide Angle (field of view)	3.4 mm/55.8 (H) x 41.8 (V)	4mm/47.3 (H) x 35.2 (V)
Telephoto (field of view)	119 mm/1.7 (H) x 1.3 (V)	88 mm/2.2 (H) x 1.05 (V)
Total/Optical/Digital Zoom	420x/35x/12x	242x/22x/12x
Video - Analog Output	1.0 Vp-p, 75 composite	1.0 Vp-p, 75 composite

Common Specifications for IP SpeedDome

Resolution & Compression

Video Resolution	320 x 240 to 720 x 480 (NTSC); 320 x 240 to 720 x 576 (PAL)
Supported Codecs	MJPEG up to 30/25 ips in all resolutions MPEG-4 up to 30/25 ips in all resolutions ACC up to 30/25 ips in all resolutions H.264 up to 30/25 ips for 4CIF resolution
Audio Compression	PCM, G711A, G711U

Operational

Manual Pan/Tilt	0.25°-100° per second (based on Zoom Manual position)
Preset Pan/Tilt Speed	360° per second, maximum (Pan) and 220° per second, maximum (Tilt)
Pan Travel	360° continuous
Tilt Travel	110°
Pan/Tilt Accuracy	± 0.5°
Zoom/Focus Accuracy	± 0.5%
Programmable Patterns/Sequences/	
Areas/Privacy Zones	96/16/16/16/32/1
Direction Indicators	Yes
Alarm Inputs	Four
Alarm Outputs	One relay alarm output
Menu Languages	English, French, German, Spanish, Portuguese

Electrical

Power	12VDC, 12.95W maximum
Power over Ethernet (PoE)	Indoor, 12.95W maximum
Surge Protection	
Analog Video	Gas discharge tube rated at: 8/20 µs Impulse Discharge Current: 5kA; Low-capacitance Zener suppressor of 6.5V, 1500 watts
Network	
(Ethernet 10/100Base-T)	Lightning Surge Suppressor PER GR-1089 Intra Building Requirements
Audio	Bi-directional suppressor for ESD IEC61000-4-2 level 4:15kV (air discharge) 8kV (contact discharge) MIL STD 883E-Method 3015-7: Class 3B (Human Body Model)
Alarms	TVS rated at 60V, 1.5 joules, Gas discharge tube rated at: 8/20 µs Impulse Discharge Current: 5kA 3.3v TVS diode ESD Protection to IEC61000-4-2 level 4
12VDC	TVS rated at 60V, 1.5 joules
Connectors	
Data and Power	RJ-45 for 10 BaseT/100BaseT
Alarms (In and Out)	8 position alarm port
Audio Video Cable Assembly	MIC line in (Electret), Audio Out, and Analog Video Port
Power (12VDC Power Input)	2 position 3.5mm Euro style connector

Mechanical

Height (includes base)	205 mm (8.0 in)
Diameter	120 mm (4.7 in)
Housing & Eyeball Weight	1.16 kg (2.56 lbs)

Environmental

Operating Temperature	-10°C to 50°C (14°F to 122°F); With environmental housing: -40°C to 50°C; (-40°F to 122°F)
Humidity	95% noncondensing
Storage Temperature	-20°C to 65°C (-4°F to 149°F)

Regulatory

Emissions	FCC: Part 15 Class A; CE: EN55022 Class A AS/NZS CISPR22 Class A; ICES-003/NMB-003 Class A
Immunity	CE: EN50130-4
Safety	UL 1950, UL 50, UL60950-1; CSA 22.2 No. 950 EN60529, EN60950-1

Model Numbers

ADVEIPSD22N	22x optical zoom, PoE, NTSC
ADVEIPSD22P	22x optical zoom, PoE, PAL
ADVEIPSD35N	35x optical zoom, True D/N, WDR, EIS, PoE, NTSC
ADVEIPSD35P	35x optical zoom, True D/N, WDR, EIS, PoE, PAL
ADVESHOC	Housing, Outdoor Pendant, Clear
ADVESHOS	Housing, Outdoor Pendant, Smoke
ADVESHOVRC	Housing, Outdoor Pendant, Vandal Resistant, Clear
ADVESHOVRS	Housing, Outdoor Pendant, Vandal Resistant, Smoke
ADVESHIC	Housing, Indoor, Clear
ADVESHIS	Housing, Indoor, Smoke
ADVESHICVR	Housing, Indoor Vandal Resistant, Clear
ADVESHISVR	Housing, Indoor Vandal Resistant, Smoke
ADVESHHRDCLGC	Housing, Indoor Hard Ceiling, Clear Bubble
ADVESHHRDCLGS	Housing, Indoor Hard Ceiling, Smoked Bubble
ADVESDBASE	Base Mount Adapter

Approvals



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