



## VideoEdge IP SpeedDome IP Programmable Dome Cameras

### Features That Make a Difference:

- 22x and 35x optical zoom
- Supports H.264, MJPEG, MPEG-4 and Active Content Compression (ACC) technology
- 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 v3.0 or higher and Intellex IP

Leveraging the same innovative features found in the analog programmable dome cameras and adding the power of IP, VideoEdge 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 VideoEdge IP SpeedDomes high image quality including Electronic Image Stabilization, Wide Dynamic Range (WDR) and True Day/Night.

VideoEdge 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.

Compatible with VideoEdge Network Video Management Systems 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.

Based on privilege level, you can access all or some of the below 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
<b>Camera</b>		
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/Manual)	1/2 - 1/30,000 (1/1.5 - 1/30,000)	1/2 - 1/30,000 (1/1.5 - 1/30,000)
<b>Lens</b>		
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)	4 mm/47.0 (H) x 35.2 (V)
Telephoto (field of view)	119 mm/1.7 (H) x 1.3 (V)	88 mm/4.0 (H) x 3.0 (V)
Total/Optical/Digital Zoom	420x/35x/12x	242x/22x/12x
<b>Video - Analog Output</b>	1.0 Vp-p, 75 composite	1.0 Vp-p, 75 composite

### Common Specifications for VideoEdge IP SpeedDome

#### Resolution & Compression

Video Resolution . . . . . 320 x 240 to 704 x 480 (NTSC);  
320 x 240 to 704 x 576 (PAL)

Supported Codecs . . . . . MJPEG up to 30/25 ips in all resolutions  
MPEG4 up to 30/25 ips in all resolutions  
ACC up to 30/25 ips in all resolutions  
H.264 up to 15/10 ips for 4CIF resolution

Audio Compression . . . . . PCM, G711A, G711U

#### Operational

Manual Pan/Tilt . . . . . 0.25°-100° per second (based on Zoom 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 . . . . . 16/16/16/32

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: class3B  
(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 Positions alarm port

Audio Video Cable  
assembly . . . . . MIC line in (Electret), Audio Out, and Analog  
Video Port

Power (12VDC Power Input) . . . . . 2 positions 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

ADVESDHOC . . . . . Housing, Outdoor Pendant, Clear

ADVESDHOS . . . . . Housing, Outdoor Pendant, Smoke

ADVESDHOVRC . . . . . Housing, Outdoor Pendant, Vandal Resistant, Clear

ADVESDHOVRS . . . . . Housing, Outdoor Pendant, Vandal Resistant, Smoke

ADVESDHIC . . . . . Housing, Indoor, Clear

ADVESDHIS . . . . . Housing, Indoor, Smoke

ADVESDHICVR . . . . . Housing, Indoor Vandal Resistant, Clear

ADVESDHISVR . . . . . Housing, Indoor Vandal Resistant, Smoke

ADVESDHRDCLGC . . . . . Housing, Indoor Hard Ceiling, Clear Bubble

ADVESDHRDCLGS . . . . . Housing, Indoor Hard Ceiling, Smoked Bubble

ADVESDBASE . . . . . Base Mount Adaptor

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