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
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/Manual)	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)	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
Video - Analog Output	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 (Electrect), 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