

IP SpeedDome Ultra 8 Programmable Dome Camera Series

Features That Make a Difference:

- Architecture leverages Active Content Compression (ACC) technology
- Manage network bandwidth through user-defined data stream limit
- Up to 30 ips NTSC/25 ips PAL at 4CIF
- Access and control from web browser or latest versions of VideoEdge® NVR or Intellex® IP¹
- Incorporates SpeedDome Ultra 8 (22x or 35x) camera assemblies
- Indoor drop ceiling, indoor pendant or outdoor pendant housing options
- Watchdog system monitoring with auto reset
- Multiple level password protected user access
- 10/100Base-T network support



IP SpeedDome Ultra 8 is a new IP edge device that includes the innovative features of the SpeedDome Ultra 8 Programmable Dome series.

IP SpeedDome Ultra 8 is compatible with either Intellex IP or VideoEdge NVR systems. This creates an integrated environment that allows you to access and control video remotely over a network, whether your surveillance system is small or large.

IP SpeedDome Ultra 8 includes an integrated encoder that utilizes American Dynamics ACC technology. ACC is a highly efficient video compression format developed to address the specific demands of the security industry for low bandwidth and hard drive consumption. It compresses data up to nine times more efficiently than comparable MPEG-4 and MJPEG compression technologies. Video streams from IP SpeedDome Ultra 8 can be viewed via a Microsoft® Internet Explorer® browser, Intellex IP system, Network Client, Browser Client or VideoEdge NVR solution.

IP SpeedDome Ultra 8 offers network bandwidth management to monitor the single IP stream and limit the amount of compressed data to a user-controlled threshold. Sophisticated features like watchdog system monitoring with auto reset and video loss detection further enhance the system's performance.

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.

Three versatile housing options are available: indoor drop ceiling, indoor pendant, and outdoor pendant. SpeedDome Ultra 8 camera assembly and mounting accessories can be ordered separately depending upon your application requirements. An IP SpeedDome Ultra housing can also be ordered separately to upgrade an existing analog-based SpeedDome Ultra 8 installation.

IP SpeedDome Ultra 8 is fully compliant with applicable safety and regulatory requirements for North American, European Union, Australian, and New Zealand markets.

(1) Intellex IP v4.2 or higher

Video

Compression Active Content Compression (ACC)
 Compression Levels Three quality settings (Super, Normal, Extended) and two sensitivity settings (Normal, High)
 Frame Rate 4CIF NTSC-up to 30 ips¹, 4CIF PAL-up to 25 ips²
 Resolution (NTSC¹) 704 x 480, 704 x 240, 352 x 240; via web browser: Above plus 640 x 480, 640 x 240, 320 x 240
 Resolution (PAL²) 704 x 576, 704 x 288, 352 x 288; via web browser: Above plus 640 x 576, 640 x 288, 320 x 288

Programmable Features

Refer to SpeedDome Ultra 8 series data sheet. All features are accessible through standard onscreen menu display.
 Note: The first alarm input is directly connected to the encoder and is not for use with standard dome alarm programming.

Network

Interface Ethernet 10/100Base-T
 Ethernet Port RJ-45
 Supported Protocols HTTP, TCP, DHCP (client)
 Concurrent Streams Up to ten (total image rate depends on resolution and content)
 Bandwidth Control Bandwidth limits can be set

Configuration Management

Configuration Setup Remote, via web browser
 Web Browser MS IE 6.x, MS IE 7.x, Java Script
 Security Multi-level password protected access

System

Processor 720MHz TMS320DM642
 Memory 64 MB SDRAM, 8 MB Flash

Electrical (Note: Includes SpeedDome Ultra 8 camera assembly)

Input Voltage 24 to 30 VAC, Class 2 LPS
 Line Frequency 50/60Hz
 Power Consumption
 Indoor (Outdoor) Models 1.8A (2.5A)

Power-On In-Rush Current
 Indoor (Outdoor) Models 2.0A (3.0A)

Mechanical

Dimensions (H x D)
 In-Ceiling Housing
 Total 300 x 190.5 mm (11.9 x 7.5 in)
 Above Ceiling 200 x 190.5 mm (8 x 7.5 in)
 Below Ceiling 92.7 x 178 mm (3.65 x 7.0 in)
 Integral Pendant Housing
 Total 303 x 243.5 mm (11.9 x 9.6 in)

Unit Weight (Note: Does not include SpeedDome Ultra 8 camera assembly)

In-Ceiling Housing 1.53 kg (3.37 lbs)
 Indoor Integral Pendant Housing 1.82 kg (4.01 lbs)
 Outdoor Integral Pendant Housing 2.04 kg (4.5 lbs)

Environmental

Weatherproof Standard
 Outdoor IP66/NEMA4
 Operating Temperature
 Indoor 0° to 45°C (32° to 113°F)
 Outdoor -40° to 45°C (-40° to 113°F)
 Humidity 0 to 95% RH (noncondensing)
 Storage Temperature -20° to 55°C (-4° to 131°F)
 Wind Loading Sustains winds of 241 kph (150 mph) when properly installed and mounted (wall, pole, ceiling, and over-the-roof mount with proper support) Outdoor Pendant Mount only

Regulatory

Emissions FCC Part 15 subpart B Class A
 ICES 003/NMB 003 Class A
 EN 55022:1998 +A1:2000 +A2:2003 Class A
 AS/NZS CISPR22
 Immunity EN 50130-4:1995+A2:2003
 Safety 60950-1 1st Ed

Mounting Accessories Options

Refer to SpeedDome series mounting accessories data sheet.

IP SpeedDome Ultra 8 Configuration

SpeedDome Ultra 8 camera assembly and mounting accessories can be ordered separately depending upon the application requirements. An IP SpeedDome Ultra housing can also be ordered separately to upgrade an existing analog-based SpeedDome Ultra 8 installation.

| Step 1: Choose an Indoor or Outdoor Housing Option Model Below | | Step 2: Choose a SpeedDome Ultra 8 Camera Assembly Model Below | |
|--|------------|--|-----------|
| Description | Model | Description | Model |
| Indoor, Drop Ceiling Housing, Clear Bubble | ADSDUIHIDC | 35x, 540TVL, D/N, WDR, EIS, NTSC | ADSDU835N |
| Indoor, Drop Ceiling Housing, Smoke Bubble | ADSDUIHIDS | 35x, 540TVL, D/N, WDR, EIS, PAL | ADSDU835P |
| Indoor, Pendant Housing, Clear Bubble | ADSDUIHIPC | 22x, 470TVL, NTSC | ADSDU822N |
| Indoor, Pendant Housing, Smoke Bubble | ADSDUIHIPS | 22x, 470TVL, PAL | ADSDU822P |
| Outdoor, Pendant Housing, Clear Bubble | ADSDUIHOPC | | |
| Outdoor, Pendant Housing, Smoke Bubble | ADSDUIHOPS | | |

IP SpeedDome Ultra 8 Kits

IP SpeedDome Ultra 8 can also be ordered as a complete kit consisting of a SpeedDome Ultra camera assembly and an IP SpeedDome Ultra housing using the following configuration model:

| BRAND | IP SPEEDDOME ULTRA HOUSING | LENS ZOOM/CAMERA | VIDEO FORMAT | ENVIRONMENT/HOUSING MOUNT | BUBBLE |
|-----------|----------------------------|--|---------------------|---|------------------------|
| AD | SDUIH | XX | X | XX | X |
| AD | SDUIH | 35 = 35x, 540 TVL, True Day/Night, WDR, EIS 22 = 22x, 470 TVL | N = NTSC P = PAL | ID = Indoor Drop Ceiling IP = Indoor Pendant OP = Outdoor Pendant | C = Clear S = Smoke |

(1) When used with ADSDU8xxN camera assemblies
 (2) When used with ADSDU8xxP camera assemblies

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

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