

# EL5 IR Dome

Rugged 5MP IR dome with video analytics



The **EL5 IR Dome** from March Networks® brings 5MP resolution and active IR illumination to deliver high-quality images in a variety of lighting conditions. The camera features a set of powerful video analytics including tripwire, intrusion detection, loitering detection, and abandoned object, and is rated for indoor and outdoor use with a housing designed to be weather-proof (IP66) and vandal-resistant (IK10).

## Key Benefits

### ▼ Built-In Video Intelligence

- **Abandoned Object** - an alarm is triggered if an object remains in one spot for too long.
- **Loitering Detection** - an alarm is triggered when people remain in an area for too long.
- **Tripwire** - an alarm is triggered when a person or object crosses the defined line.
- **Intrusion Detection** - an alarm is triggered when people or vehicles enter a specific area.
- **Object Removal** - an alarm is triggered if an object is removed from an area.

▼ **Rugged housing.** The IK10, vandal-resistant design withstands impact on the body of the housing, and the IP66 rating protect the camera from dust and water intrusion.

▼ **Smart IR Illumination.** The built-in LED provides uniform illumination in a variety of lighting conditions, which means users will see high-quality, low-noise video from 30 m (98 ft). Additionally, the camera automatically adjusts the intensity of the IR LED to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.

▼ **Never worry about losing video again.** Our cameras can record to internal microSDHC cards or NAS devices, giving you redundant recording in the event of a network outage or power failure.

*A cost-effective camera that delivers high-quality images in a variety of lighting and weather conditions.*

## EL5 IR Dome

### CAMERA

|                          |                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.7" Progressive Scan CMOS                                                                   |
| Effective Pixels         | 5MP (2880H x 1620V)                                                                            |
| Lens                     | 41512-101: 2.8mm, F1.6, Fixed focal lens<br>41513-101: 2.7-13.5mm, F1.6-3.1, Motorized, P-Iris |
| Field of View            | 41512-101: Horizontal: 133°<br>41513-101: Horizontal: 32.8-106°                                |
| High Dynamic Range (HDR) | 120dB                                                                                          |
| Day/Night                | Automatic IR cut filter                                                                        |
| Minimum Illumination     | Color: 0.03 lux; IR On: 0 lux                                                                  |
| Shutter Speed            | 1/5s to 1/32000s                                                                               |
| Camera Angle Adjustment  | 41512-101: Pan 350°, Tilt 80°, Rotation 350°<br>41513-101: Pan 353°, Tilt 75°, Rotation 350°   |
| White Balance            | Manual/Automatic                                                                               |
| IR Wavelength            | 850nm                                                                                          |
| IR Illumination Distance | 30 m (98 ft)                                                                                   |

### VIDEO

|                   |                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression | H.265, H.264, M-JPEG                                                                                                                                                           |
| Resolution        | 4.7MP 3K (2880x1620), 3.7MP QHD (2560x1440), 2MP 1080p (1920x1080), 1.4MP 900p (1600x904), WXGA (1360x768), 1MP 720p (1280x720), 640x360                                       |
| Frame Rate        | Up to 30fps @ 5MP                                                                                                                                                              |
| Streaming         | Up to 3 individually configurable streams in H.265/H.264/M-JPEG<br>Configurable resolution/frame rate/bandwidth                                                                |
| Image Settings    | Backlight compensation, white balance, noise reduction, wide dynamic range, privacy mask, brightness, exposure, sharpness, contrast, saturation, smart IR, day/night threshold |

### AUDIO

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Audio Streaming    | Full Duplex                                                                                         |
| Audio Compression  | G.711 PCM                                                                                           |
| Audio Input/Output | 1 x 3.5mm stereo input, 1 x 3.5mm stereo output<br><b>PN 41513-101 includes embedded microphone</b> |

### NETWORK

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| Security            | Password protection, HTTPS encryption, IEEE 802.1X                                        |
| Supported Protocols | IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, QoS, ONVIF-S/G/T, SNMPv1/v2/v3 |

### SYSTEM INTEGRATION

|                 |                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Video Analytics | Video motion detection, active video tampering, abandoned object, loitering detection, tripwire, intrusion detection, object removal |
| Alarm Trigger   | Video analytics, audio detection                                                                                                     |
| Alarm Events    | Video recording to local storage                                                                                                     |

### ELECTRICAL

|                   |                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Power             | C4801A - 12 V=== 0.62 A; 37-57 V=== 0.210-0.136 A (PoE 802.3af, Class 0)<br>C4901A - 12 V=== 0.52A; 37-57 V=== 0.172-0.112 A (PoE 802.3af, Class 0) |
| Power Consumption | C4801A - 12 V=== max. 7.5 W; PoE max. 7.8 W<br>C4901A - 12 V=== max. 6.3 W; PoE max. 6.4 W                                                          |

### PHYSICAL

|              |                                                                                       |
|--------------|---------------------------------------------------------------------------------------|
| Construction | Metal housing and polycarbonate bubble                                                |
| Dimensions   | C4901A - Ø 117 x 89 mm (Ø 4.61 x 3.52 in)<br>C4801A - Ø 133 x 103 mm (5.25 x 4.09 in) |
| Weight       | C4901A - 562 g (1.23 lb)<br>C4801A - 758 g (1.68 lb)                                  |

### ENVIRONMENTAL

|                           |                                      |
|---------------------------|--------------------------------------|
| Operating Temperature     | -30 °C to +60 °C (-22 °F to +140 °F) |
| Humidity                  | 10-90% RH, non-condensing            |
| Ingress Protection Rating | IP66                                 |
| Impact Rating             | IK10                                 |
| Shock                     | SAE J1455                            |
| Vibration                 | SAE J1455                            |

### USER CONNECTIONS

|          |                    |
|----------|--------------------|
| Ethernet | RJ45 10/100 Base-T |
| Power    | Barrel-type        |

### GENERAL

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| Local Storage        | MicroSD/MicroSDHC/MicroSDXC memory card up to 1TB (not included)   |
| LED Indicator        | Power, Activity                                                    |
| Included Accessories | Quick Start Guide; mounting template; mounting hardware; desiccant |

### REGULATORY

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| Regulatory Model   | 1: C4801A<br>2: C4901A                                                                                  |
| Safety             | UL 62368-1, CSA 62368-1, IEC/EN 62368-1                                                                 |
| EMC                | EN 55032, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/NZS CISPR 32, EN55035 |
| Environmental      | RoHS, WEEE                                                                                              |
| Compliance Marking | CE, cULus, RCM, WEEE, UKCA, NOM                                                                         |

### ORDERING INFORMATION

| CAMERA      |                                                       |
|-------------|-------------------------------------------------------|
| 41512-101   | C4901A - EL5 IR Dome (Fixed Lens)                     |
| 41513-101   | C4801A - EL5 IR Dome (Motorized Lens)                 |
| 41513-102   | C4801A - EL5 IR Dome (Motorized Lens) - Black Housing |
| ACCESSORIES |                                                       |
| 42169       | Wall Bracket                                          |
| 41913       | Round Back Box                                        |
| 40743       | NPT Cap for EL5 C49xx                                 |
| 42046       | NPT Cap for EL5 C48xx                                 |
| 42359       | Pendant Mount with Conduit Inlet                      |
| 40747       | Corner Mount Adapter                                  |
| 42360       | Pendant Pipe 20cm                                     |
| 42361       | Pendant Pipe 40cm                                     |
| 40745       | Pole Mount Adapter                                    |

#### 5-year warranty:

- Option for Advance Replacement or Repair & Return.
- No need to issue a PO prior to receiving the replacement.
- March Networks incurs all shipping costs — both ways — for Advance Replacements.