



FCS-4048 Version: 1

! Mounting kits are to be ordered separately.

HUBBLE PTZ IP Network Camera, 2-Megapixel, IR LEDs, Indoor/Outdoor, 33X Optical Zoom, Vandalproof

The LevelOne FCS-4048 is a PTZ IP surveillance camera designed for use outdoors, boasting 2-Megapixel resolution and a 33 X optical zoom. The camera features motorized Pan and Tilt features as well, enabling it to focus in a variety of directions and zoom in on a specific viewing area. The camera is also PoE, enabling it to run both power and data on the one Cat.5 cable, making deployments easy and efficient. An IP66-rated weatherproof casing allows for safe, reliable operation in outdoor conditions such as rain, heat, dust, snow and humidity.

Key Features

- 2-Megapixel (1920 x 1080) high-definition resolution
- Video compression: H.264, MJPEG
- Supports 33X optical zoom
- Built-in infrared LEDs for night viewing up to 150m
- Weatherproof IP66-rated housing
- Vandal-proof IK10-rated housing
- 360° pan and 220° tilt movements allow for a wide range of monitoring angles
- Triple power support: 12V DC/24V AC/PoE (IEEE 802.3at 60W)

Specifications

System Specifications

Standards & Protocols:

TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, 802.1x

Image Sensor:

1/2.8" Progressive Scan CMOS

Lens:

f4.5 - 148.5mm / F1.6 - 5.0

Port:

1 x RJ-45 10/100 Mbps PoE plus port

1 x Line In

1 x Line Out

1 x Power terminal block

I/O terminal block (4 DI/2 DO)

1 x MicroSDHC/ MicroSDXC card slot

**Button/Knob:**

Reset

Indicator:

Power

IR Cut Filter:

Removable infrared-cut filter for day & night function

IR LED:

150 Meter

Shutter Time:

1/5 - 1/32,000 sec (manual mode); 1/5 - 1/32,000 sec (auto mode)

Angle of View:

Horizontal Viewing Angle 69.3° - 3°

Pan/Tilt/Zoom:

Preset Panning / Tilting Speed: 0.16° ~ 300°/s / 0.16° ~ 150°/s

Manual Panning / Tilting Speed: 0.16° ~ 54.4°/s / 0.16° ~ 27.2°/s

Scan Panning / Tilting Speed: 0.16° ~ 32°/s / 0.16° ~ 16°/s

Panning Range :360° Endless

Tilting Range: -20° ~ 200°

33X zoom optical

Remote manual control; 256 preset points;10 preset tours; Auto scan

Support Digital Zoom 16x

Video Compression:

H.264/ MJPEG

Resolution:

60 fps at 1920 x 1080; 60 fps at 1280 x 720; 30 fps at 640 x 480; 15 fps at 320 x 240

Output Video Format:

RAW

Audio Compression:

8 kHz, Mono, PCM, 16 bit encoding; G.711

Power Input:

High PoE (IEEE802.3at 50W) / AC 24V

Power Consumption:

25W, Standard without FAN/Heater

50W, without heater

62W, With heater and fan (by 24V AC only)

Data Rate:

128 Kbps - 12 Mbps (per stream)

Storage Capacity:

SD/MicroSD memory card of up to 64GB

Features

General:

Video motion detection (10 regions); External device through digital input; Sound detection, Automatic white balance (AWB)

PoE:

High PoE (IEEE802.3at)

Security:

IP address HTTPS encryption; Password protected user level; Anonymous login; IEEE 802.1X network access control

Management:

Notify control center; Go to PTZ preset point or preset tour; Change camera settings; Command other devices; E-mail with snapshots;
Save video or snapshot to local storage; Upload video or snapshot to FTP server; Activate external device through digital output

Video:

Extreme WDR (145 dB), 2 video stream, Privacy Mask 16 Zone, 3D Noise Reduction

Audio:

8 kHz, Mono, PCM, 16 bit encoding; G.711
Cable with 3.5mm phone jack

Performance**Number of Clients:**

16

Frame Rate (fps):

60 fps at 1920 x 1080; 60 fps at 1280 x 720; 30 fps at 640 x 480; 15 fps at 320 x 240

Minimum illumination:

Color: 0.05 lux at F1.6 (30 IRE, 2400°K); B/W: 0 lux at F1.6 (30 IRE, 2400°K)

Environment**Operating Temperature (°C):**

-40°C ~ 50°C (-40°F ~ 122°F) within 30mins

Operating Humidity (Non-condensing):

10% ~ 85% RH

Physical Specifications**Dimensions (W x D x H mm):**

170 mm x 260 mm (6.69" x 10.23")

Weight (g):

3450

Color:

White

Approval and Compliance**EMI/EMS:**

CF, FCC, UL

Safety:

IK10

Environmental Test:

IP66

Others:

Manufactured in ISO-9001 and ISO-14001 certified factory
ONVIF

Others**Supported Browsers:**

Microsoft Windows 8/7/Vista/XP/10



Compatibility:
Microsoft Internet Explorer 11

Order Information

FCS-4048

Package Contents

FCS-4048
Power Terminal Block
Power adapter with power cord
Resource CD (User Manual, Utility, 64-CH Monitoring Software)

Optional Accessory



CAS-2101
Pendant Cap



CAS-2102
Pendant Mount Bracket



CAS-2103
Pendant Mount Bracket



CAS-2104
Extension Tube



CAS-2402
Corner Mount Bracket



CAS-2503
Pole Mount Bracket, Clamping Range 5.25"-8.5"



CAS-2702
Outdoor Junction Box



CAS-4312
Wall Mount Bracket with Cable Management