

# WDR Megapixel IP Outdoor Dome Camera



**WDR / Day & Night / H.264**

## LC-7431/7431AF

APPRO LC-7431 is an ideal WDR IP fixed dome camera, offering a perfect video solution for enhancing image quality. This camera delivers simultaneous H.264, MPEG4 and MJPEG video compression for image quality and bandwidth efficiency. The “WDR” feature generates superior images, which can integrate the images' shadow and bright part into realistic scenes. In addition, the LC-7431 features an IR-cut filter for capturing all movement of subject in the nighttime conditions.

APPRO LC-7431 not only provides multi-functions, such as two-way audio, security authorities setting, and user-friendly UPnP configurations (USB interface for IP address setting, and SD card for recording), but it also supplies full range of power selections-DC 12V, AC 24V and PoE (IEEE 802.3af). With PoE device, the LC-7431 reduces the requirements of Ethernet cable and installation costs.



### Features

- 1/3” WDR Sony CMOS sensor.
- Simultaneous H.264, MPEG4 and MJPEG video streaming.
- Up to 30 / 25 frame rate in all resolutions.
- Supports two-way audio.
- User-friendly UPnP functions:
  - USB interface for IP address setting and update.
  - SD card for alarm recording.
- IP-66 certification is for preventing dust and water.
- Power requirements: DC 12V / AC 24V / PoE.
- Mount applications: flush mount, surface mount, pendant mount and wall-mount (optional).

## SPECIFICATIONS

### Video system

- Video sensor : 1/3" Sony IMX035 CMOS sensor.
- Lens :  
**LC-7431**: 3.3-12mm vari-focal board type (**VGA Type**).  
**LC-7431AF**: 3.3-12mm Remote Motorized Vari-focal (**VGA Type**).
- Auto Iris.
- Min. Illumination :  
**LC-7431**: Color : 0.2 Lux @ F1.4 , B/W : 0.01 Lux @ F1.4.  
**LC-7431AF**: Color : 0.4 Lux @ F1.6 , B/W : 0.04 Lux @ F1.6.
- Day & Night function : Mechanical IR-Cut filter.

### Image system

- Video codec :
  - Simultaneous H.264, MPEG4 & MJPEG video streaming.
  - Simultaneous multi-profile video stream(3 profiles).
  - Controllable frame rate and bandwidth.
- Resolutions :
  - Aspect ratio:  
"4:3": 1280x1024, 1280x960, 1024x768, 800x600, 640x480, 480x360, 320x240,160x120.
  - "16:9": 1280x720, 800x450, 640x360, 480x270, 320x180, 176x120.
- Frame rate : Up to 30/25 fps in all resolutions.
- Image quality : 5 levels.
- Image configurations :
  - AGC, Exposure Time, Mirror, Flip, White Balance.
- Digital PTZ : Yes.
- OSD data : IP Address/Date/Time/Icon.
- Timestamp : Title/Date/Time.
- Exposure Mode:
  - Indoor, Outdoor, Night, Low-Noise, Moving, Customize x 3, Schedule.

### Audio

- Input / output : audio input x 1 / audio output x 1.
- Compression :G.711 / G.726.
- Two-way audio.

### Software

- Operation system : Linux-based system.
- Update : SD card / HTTP.

### Alarm function

- Alarm triggers : Motion Detection / Schedule / Alarm input / Ethernet disconnection / Network/Remote digital alarm input.
- Alarm application: SD recording / SMTP / FTP / CMS recording.
- Alarm duration : Programmable.
- Pre-alarm, and post alarm.
- Schedule counts : 7.

### Networking system

- Support protocols :  
IPv4, TCP, UDP, ICMP, DHCP, HTTP, FTP, SMTP, NTP, UPnP, RTP, RTSP, RTCP, DDNS, PPPoE.
- Security :
  - Multiple authorities levels.
  - IP filtering.
- Users : 10 simultaneous user access.

### Port functions

- Ethernet 10 /100 Base-TX, RJ-45.
- SD/SDHC card slot.
- USB connector.
- Push-in block for 2 x digital input /2 x digital output/ 1 x DC output (DC 12V)/ 1 x Ground.
- BNC output for analog signal output.
- DC/AC jack connector.

### Miscellaneous

- LED indicator : Network /SD Status .
- Button : Reset button.
- Power :
  - DC 12V (DC power jack) Approx. 4.8 W.
  - AC 24V (2pin terminal block) Approx. 6 W.
  - PoE: Approx. 6 W, IEEE 802.3af compliant class 3.
- Temperature : -40°C ~ 50°C (-40°F ~ 122°F).
- Approvals : CE/FCC/RoHS/IP-66/IK-10/C-Tick.
- Package include :
  - CD x 1.
  - Quick installation guide x 1.
  - Power adapter (DC 12V) x 1.
  - RJ-45 cable x 1.
- Mounting brackets (optional):
  - MK-1423B (Pendant mount)
  - MK-1424B (Gooseneck Arm mount)
  - MK-1425 (Surface mount)
  - MK-1427 (Flush mount)
  - MK-1428 (Wall mount)