

Ultra  
Low-light  
COLOR



# 1.3 Megapixel IP Bullet Camera

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

**LC-7554**

APPRO's LC-7554 is a high performance network camera which is equipped with a 1.3 megapixel SONY Exmor sensor and a resolution of up to 1280x1024. It offers you cutting-edge technology at the best price you can get on the market.

## 1280x1024 Pixels

The LC-7554 supports 1280x1024 recording for high quality images. Integrated with the next generation H.264 technology, the LC-7554 can compress video size, so you can transfer high quality images to and from the Internet smoothly and swiftly.



VGA

LC-7554

## Day & Night

This network camera adjusts to provide pictures in various light levels. Using the IR-cut filter by day, it switches automatically to infrared (IR) light at night to produce top quality images.

## WDR

Wide Dynamic Range (WDR) technology captures clear images in conditions of extreme brightness and darkness, as well as in strongly backlit situations. Our WDR uses dual-exposure (known as "double-shutter") technology in video fields and combines these two fields in one frame to get wider extended dynamic range images.

## Customize to suit the light

Our scheduled scenario settings customize exposure modes for your needs, adjusting your cameras to the differences in the varying strengths of light available at all hours in any given site. This enables ideal surveillance for all sites anywhere, from street traffic through shopping malls to buildings and office interiors.



## Low Light

The LC-7554 delivers a high quality of low-light performance and makes it easier to capture low-light situations without worrying about insufficient illumination. This satisfies the need for a continuous, 24-hour monitoring. You can get clear and detailed images in full color even in extremely dark conditions.



## Features

- Adopts the TI DaVinci TMS320DM368 digital media processor.
- SONY 1.3M Exmor sensor.
- Simultaneous H.264, MPEG4, and MJPEG video compressions.
- Three multi-profile applications: Selectable resolutions, frame rates, qualities, and compressions.
- Min. Illumination: B/W: 0.01 lux at F1.2.; Color: 0.05 lux at F1.2.
- Supports enhanced WDR.
- 3D-noise reduction for clear lowlight images.
- Two-way audio.
- Advanced motion detection (48 zones, sensitivity: 0~100 %).
- Supports ONVIF.
- Full range of power options: DC 12V / AC 24V / PoE (IEEE 802.3af).

**APPRO**<sup>®</sup>  
TECHNOLOGY

# 1.3 Megapixel / H.264 / Day & Night / WDR / Low Light LC-7554 IP Bullet Camera

## SPECIFICATIONS

### Camera

- Image sensor: Sony 1.3M Exmor Sensor.
- Lens: 2.8-12mm F1.4 1/2.7", DC-IRIS ;  
View Angle: 108'~37.9'(D), 90.5'~30.8'(H), 79'~23.3'(V).
- Minimum illumination: Color: 0.05 Lux @ F1.2.;  
B/W: 0.01 Lux@F1.2.
- 2D / 3D Noise Reduction Technology
- IR cut filter.
- Day & Night: Auto/ Day/ Night/ Schedule.
- WDR (Wide Dynamic Range).

### Image

- Video Compression: H.264 / MJPEG / MPEG4.
- Resolution:
  - Aspect ratio:  
"4:3": 1280x1024, 1280x960, 1024x768, 800x600,  
640x480, 480x360, 320x240, 176x144.
  - "16:9": 1280x720, 800x450, 640x360, 480x270,  
320x176, 176x144.
- Video streaming:
  - Simultaneous H.264, MJPEG, MPEG4.
  - Multi-profile: resolution / compression / frame rate /  
video quality.
- Profiles: 3 (selectable).
- Frame rate: 30FPS (1280x1024).  
30FPS (1280x720) Full color in lowlight.
- Image settings:
  - Brightness, Contrast, Saturation, Sharpness, WDR  
Level, Privacy mask.
- Exposure Mode:  
Indoor, Outdoor, Night, Low-Noise, Moving,  
Customize 1~3, Schedule.
- Video management software: SDK, including HTTP-  
API / ActiveX / ONVIF.

### Audio

- Audio streaming: Two-way.
- Compression: G.711u / G.726.
- Audio bit rate: G.711u 64kbps / G.726 32kbps.
- Inputs / outputs: 1 x input / 1 x output(3.5mm earphone  
jack)
- S/N ratio: More than 58dB.

### Network

- Security: Multi-level password protections, IP address  
filtering, HTTPS encryption, User access log.
- Protocols: IPv4, HTTPS, HTTP, TCP, UDP, RTP/RTCP/  
RTSP, DHCP, NTP, FTP, SMTP, UPnP, ICMP, ARP,  
DDNS, PPPoE, SAMBA.
- Users: Access by 10 simultaneous users.
- Firmware update: SD card / HTTP.

### Alarm

- Recording: SD card, SAMBA, FTP.
- Pre-alarm recording.
- Advanced motion: (48 zones, Sensitivity: 0~100 %).
- Trigger: Motion detection, Schedule, Alarm input,  
Ethernet loss, Network/Remote digital alarm input.
- Notification: SD card recording, SMTP, FTP, HTTP,  
alarm output.

### Connectors

- RJ-45: 10 BASE-T / 100 BASE-TX.
- GPIO: Push-in: 2 x digital input / 2 x digital output /  
1 x DC output(DC 12V) / 1 x ground.
- Earphone jack : 2 x 3.5 mm(1 x Audio in [mic. in / line in],  
1 x Audio out).
- Reset: Reset for factory default.
- Local storage device: SD / SDHC card slot.
- USB: Mini B Type (2.0).

### General

- LED indicators: Power / Network / SD card.
- Power:
  - DC 12V (DC power jack) Approx. 8.4 W.
  - AC 24V (2pin terminal block) Approx. 10.5 W.
  - PoE: Approx. 10.5 W, IEEE 802.3af compliant class 3.
- Processors: TMS320DM368.
- OS: Linux 2.6 kernel.
- Operating conditions: -40°C ~ 50°C (-40°F ~ 122°F).
- Approvals: CE, FCC, RoHS, C-Tick. IP-66, IK-10
- Dimensions (HxWxD): 92 x 97x 226 mm.
- Accessories included:
  - Installation Guide.
  - CD x 1 ( includes User's Manual ).
  - Power adapter: (Input: AC 100-240V, 50/60Hz, Output:  
DC 12V, 1A).
  - RJ-45 cable x 1.
- Mounting bracket :
  - MK-1426



\*Design and specifications are subject to change without notice.

APPRO TECHNOLOGY INC.



Taiwan Headquarter  
13F, No. 66, Zhongzheng Rd., Xinzhuang Dist., New Taipei City, Taiwan.  
Tel : 886-2-8992-1177 Fax : 886-2-8992-0077  
E-mail : appro@approtech.com  
Web site:www.approtech.com

Office in U.S  
1180 Miraloma Way Suite E, Sunnyvale, CA 94085.  
Tel : 1-408-720-0018 Fax : 1-408-720-0019  
E-mail : approu@aol.com  
Web site:www.appro-us.com

www.approtech.com

**APPRO**<sup>®</sup>  
TECHNOLOGY