

# Infrared CCTV cameras

## The best of three technologies

- Ethernet TCP/IP (RJ-45) and analog connection (BNC)
- Infrared for day and night vision up to 30 meters
- IP66 - weatherproof resistant - Outdoor and Indoor use



Models : CAR-R300IP / CAR-R300HQIP

## CHARACTERISTICS

True surveillance video cameras, the models CAR-R300IP and CAR-R300HQIP from Comet Labs cumulate the advantages of analog and digital world. **They are equipped with a double cabling system. The BNC analog port** is enabling a direct connection to a video monitor or to digital video recorder. **The RJ-45 port** is linking the video camera to your network; you can access it directly from your favorite browser (Internet Explorer 5.5 or later version recommended). The video camera is integrating a web server and can authenticate your ADSL line; you can connect it to an ADSL Modem without any need of a router.

**These video cameras are delivered with a DVR software for Windows® which can manage up to 16 video cameras simultaneously.** You can create you own network DVR on a PC computer.

**Equipped with a motion detector area system**, you can automatically start video or pictures recording or thru e-mail sending. The video files and the pictures files can also be stored directly on a device (PC, FTP server, ...) connected into your LAN.

**To insure a 24 hours vision even in the darkness, these video cameras are equipped with an Infrared LED system which is subject to a pending patent technology.** The night vision is clear on the entire picture and can see objects and people up to 30 meters far. The association of patented optical and infrared technologies is reducing drastically the heat generated and is avoiding the need of fan cooling and heaters in the housing when the video cameras are used outdoor. **By keeping the video cameras in a stable and closed environment, you are removing the problems of housing humidity which is the worst nightmare of electronic components.**

These video cameras are **compliant with IP66 weatherproof standard** and are equipped with a sun cap. Powered by a 12 Volts DC external power adapter, these cameras are safe against vandalism: the power source will not be interrupted by a short circuit and the other cameras will continue to work. **A Power-over-Ethernet adapter is available in option.**

## MAIN FEATURES

- *Double connection:*
  - analog: with the BNC port - can be connected to a video monitor or DVR.
  - digital: with an RJ-45 port for Ethernet and Internet access using a web browser.
- *Motion detection area system to start recording or snapshots only on events.*
- *Delivered with Digital Video Recording software which can manage up to 16 cameras.*
- *Infrared patent pending technology for day & Night vision with a clear view of the entire area up to 30 meters.*
- *protected and closed housing with tempered glass for protection again vandalism and humidity.*
- *IP66 - Weatherproof compliant.*
- *1/3" SONY CDD - 380 VTL lines for CAR-R300IP model and 520 VTL lines for CAR-R300HQIP model*
- *Configurable and easy to use via your favorite browser.*

# Infrared video surveillance cameras



Models : CAR-R300IP / CAR-R300HQIP

## SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

#### Connections and ports:

- One Ethernet port (RJ-45) 10/100 Mbps
- One BNC connector for analog video link
- One jack female connector for the power adapter

#### CCD: 1/3" Sony - Sensitivity 0.05 Lux - 0 Lux in night vision (IR mode)

Horizontal resolution: 380 Lines (CAR300IP) and 520 Lines (CAR300HQIP)  
PAL system: 625 lines 2:1 interlaced - NTSC System: 525 Lines 2:1 interlaced  
Electronic shutter: PAL and NTSC - 1/50 - 1/100.000 sec.  
Signal noise ratio: over 48 dB - Automatic BLC  
AGC Gain control with automatic white balance ATW 2500-9500° K  
composite video output 1.0 Vp-p at 75 Ohms - gamma correction 0.45  
Standard lens 6 mm (Optional 4.3, 8 or 12 mm)

IP display: 640x480, 352x288, 320x240, 176x144 pixels  
Formats: JPEG, Motion JPEG - 3 levels  
up to 25 frames per second (PAL) and up to 30 frames per second (NTSC)  
User and administrator access rights management

Day and night vision with Infrared technology  
12 infrared high light LEDs  
views from 80° to 180° - Infrared length: 850 nm  
Maximum IR coverage: 30 meters (depending on viewed objects reflection)  
IR LEDs controlled when 10 Lux or lower visibility - Auto switching in B/W mode  
Dimensions: Diameter 95 mm x 250 mm - Weight (Net/Brut): 1.32 kg / 1.8 kg  
Consumption: 100 mA (Day) and 460 mA (with IR active)  
Tension: 12 Volts DC - 1 amp. Power adapter

### ENVIRONMENTAL CHARACTERISTICS

Maximum altitude: 2.800 meters (9,000 feet)  
Temperature : In operation: 0° to 40°C / 32° to 104°F (80% relative humidity)  
In storage: -20° to 60°C / -4° to 140°F (80% relative humidity)  
Humidity: In operation: 10% to 85% (non condensing)  
In storage: 5% to 90% (non condensing)  
housing: IP 66 - Weatherproof - Sun cap - Aluminum housing

### PROTOCOLES SUPPORTED

Network protocols: HTTP, SMTP, FTP, NTP, DNS, DynDNS, ARP, DHCP & PPPoE.

### CONFORMITY WITH STANDARDS

Safety and EMI: CE EN5022 Class A (1998), FCC Class A

## AVAILABLE MODELS

CAR300IP	IP and analog Video camera - 380VTL - Lens. 6 mm
CAR300HQIP	IP and analog Video camera - 520VTL - Lens. 6 mm
CARSUP	wall mount kit
POE-SPLIT	Power-over-Ethernet adapter - 12 Watts

## PRODUCTS RANGE

- Gigabit and Fast Ethernet network cards
- Twisted pairs and optical fibre adapters
- Gigabit and Fast Ethernet switches
- Intelligent and manageable switches
- Rack mount / compact and silent
- Power over Ethernet switches (PoE)
- Backbone switches - Level 2, 3 and 4
- SNMP agent and web management
- Network storage, NAS
- Biometric and secured storage
- Transport and data security devices
- Internet sharing devices
- High-speed broadband Internet routers
- ADSL/ADSL2+ routers and modems
- Firewalls & network security equipments
- Local network routers
- VPN Servers and access devices
- Remote access servers
- Wireless cards and adapters
- Antennas and wireless extensions
- Wireless routers and access points
- USB 2.0 & Firewire hubs and interfaces
- 2, 4 and 8-port KVM switches
- Powerline and PowerPlug devices
- Media converters and transceivers
- Multimedia sharing equipments
- Audio and video streaming

## SERVICES

- Warranty extension
- On-site assistance
- Local technical support
- European maintenance service
- Priority access contract for support