

# CL7500 | License Plate Recognition 5MP Box Camera

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**ZAVIO**  
Innovating IP since 2006



\*Lens to be purchased separately

- 1/1.8" 5MP CMOS sensor
- Compatible with C/CS-mount lenses
- Smart Codec + H.265
- 5MP @ 30fps
- 100dB WDR
- 3D DNR
- ROI (Region Of Interest)
- Corridor mode
- Defog
- Operating conditions -30~ 60°C
- Micro SD/SDHC/SDXC card slot up to 128GB
- Two way audio (full duplex)
- 1 alarm in / 1 alarm out
- 12V DC & PoE (802.3af)
- ONVIF 2.4 & Profile S

ZAVIO CL7500 is a full featured camera module specially designed for LPR applications, allowing a better capture of the license plate even under challenging environments. Supporting both C-mount and CS-mount lenses, the 5MP camera module provides maximum flexibility to suit your installation requirements.

The combination of the latest H.265 compression and ZAVIO's Smart Codec technology enables CL7500 to reduce bandwidth and storage consumption up to 80% less than standard H.264 cameras. Equipped with Starlight Sony sensor and long distance IR leds, CL7500 has the capability of producing high quality image day and night regardless of the outside lighting conditions.

## Optional accessories

**Accessory:** Outdoor enclosure  
**Item number:** AF-M01  
**Dimensions:** 462.7(L) x 171(W) x 256(H)mm  
**Compatible with:** L7200, L7500



## Features

### Smart Codec + H.265

ZAVIO Smart Codec + H.265 reduces bandwidth and storage requirements by a stunning 80% compared to standard H.264 camera.



WDR off



WDR on

### WDR

Cameras with WDR will take multiple exposures of the full scene and merge them together to provide an image that extends further than the human eye can perceive.

### Starlight

Combined with cutting-edge sensor technology, advanced noise reduction and high frame rate, Starlight cameras can capture highly detailed color images of fast moving objects even under challenging lighting conditions.



Other Cameras

ZAVIO Starlight Cameras



### ROI (Region Of Interest)

Defining a Region Of Interest will allow you to spend less bandwidth in areas that are less important while relocating resolution on the most relevant areas.

### Corridor mode

Corridor Mode allows you to get a vertically oriented video stream from the camera, maximizing image quality while eliminating bandwidth and storage waste.



Landscape mode

Corridor mode

## Technical Specifications

Camera	
Camera Type	5MP Box Camera
Image sensor	1/1.8" CMOS sensor
Lens	C/CS-mount
Horizontal view angle	-
IR working distance	100m
Min	0.001 lux @ F1.6 (color) 0.0001 lux @ F1.6 (B/W)
WDR	100dB
Day/Night function	Mechanical IR cut filter
Video & Audio	
Resolutions	Motion JPEG/H.264/H.265: 2 Profile from 2560 x 1920 to 640 x 360 (total 6 resolutions) 2 Profile from 640 x 480 to 640 x 360 (total 2 resolutions)
Video compression	Motion JPEG H.264 baseline/ main profile/high profile H.265
Frame rate	H.265/H.264: up to 60 fps at 1920 x 1080 H.265/H.264: up to 30 fps at 5MP Motion JPEG : up to 10 fps at 5MP
Video	Simultaneous Motion JPEG, H.264, H.265 Controllable frame rate and bandwidth Support unicast and multicast (RTSP)
Image settings	Rotation: mirror, flip, mirror flip, corridor mode Brightness, contrast, saturation, sharpness Overlay capabilities: time, date, text and privacy Image ROI, White balance (auto/manual) 3D DNR Defog
Audio support	Two-way (full duplex)
Audio compression	G.711 u law, a law, G.726, AMR
I/O & Connector	
Ethernet	RJ-45 Ethernet 10/100 Base -T
Power Supply	Terminal block, 12V DC, 1A Power consumption: Max 72W PoE(Power over Ethernet) built-in IEEE 802.3af
Alarm I/O	Terminal block, 1/1
Audio connector	3.5mm Phone Jack , line in & line out
Analog video output	BNC
RS-485	Terminal block
Edge storage	Micro SD/SDHC/SDXC up to 128GB
Buttons	Reset push button
Other(s)	USB connector
Alarm & Event	
Event type	Alarm input, motion detection, audio detection, periodical, network link down, tampering, tripwire, people density, perimeter.
Alarm action	Network storage, edge storage, FTP, SMTP, HTTP event, HTTPS, alarm out pre and post event image.
Network	
Users	10 simultaneous users
Security	Multiple user access levels with password protection, HTTPS encryption
Supported protocols	IPv4, IPv6, Bonjour, TCP/ IP, DHCP, DNS, DynDNS, PPPoE, ARP, ICMP, FTP, SMTP, NTP, UPnP, RTSP, RTP, RTCP, HTTP, HTTPS, SSL, TCP, UDP
ONVIF	2.4 & Profile S
General	
Housing	Aluminum Alloy
Ingress Protection	IP68
Impact Protection	IK10
Operating conditions	Starting temperature: -10 ~ 60°C Humidity 10-100% RH Working temperature: -30~ 60°C Humidity 10-100% RH
Dimensions	462.7(L) x 171(W) x 256(H)mm
Weight	6kgs
Included accessories	Quick installation guide, hex wrench, C-mount adaptor.
Optional accessories	Outdoor enclosure (with optional PoE, IR, Heater, Fan)
Certification	CE, FCC, RoHS
Language	Chinese, Croatian, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, Turkish
System Requirements	
Operating system	Windows XP / 7 / 8 / 8.1, MAC OS, Linux
Browser	Internet Explorer 9 / 10 / 11, Chrome, Firefox, Safari
Software	
Video management software	ZAVIO CamGraba 2.0 IP System software, for viewing, recording and archiving up to 64 cameras.
Installation, management and maintenance	ZAVIO Installation Tool makes camera management easier with camera image preview, firmware upgrade of multiple cameras, reset cameras to default while keeping network settings, etc.

