PLACA TOWCAM

Dual Lens

Dedicated plate capture
with a separate color overview



3.19MP	2MP	IP68
Global shutter LPR	Color overview	Nitrogen-filled

TowCam Dual Lens combines a black-and-white global shutter channel for license plates with a separate color overview channel. Both channels share a rugged aluminum housing for vehicle-mounted parking enforcement and repossession workflows.

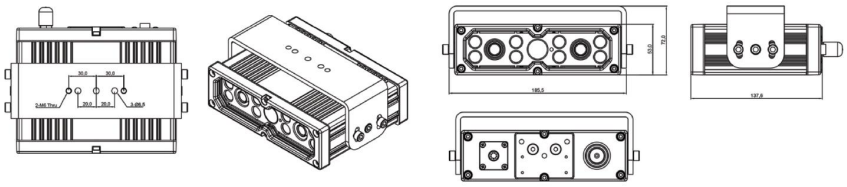
Two channels, complementary views

Plate capture
Sony IMX265 global shutter sensor; 12mm, 16mm or 25mm LPR lens options.

Color context
Sony IMX307 rolling shutter sensor; 8mm, 12mm or 16mm overview lens options.

Infrared and network
Eight 855nm IR LEDs; ONVIF Profile S; Ethernet and IEEE 802.3at PoE+.

Mechanical dimensions



185.5 W x 137.6 D x 53 H mm; approximately 1.6kg. Dimensions in millimeters.

Installation: Ethernet/PoE+ camera hardware. Vehicle power, mounting, router/network equipment and installation depend on deployment. PLACA software and 4G service are separate from the camera hardware.

Technical specifications

IMAGING CHANNELS	
LPR sensor (B/W)	1/1.8-inch Sony IMX265, 3.19MP global shutter CMOS; 2064 x 1554 effective pixels
Overview sensor	1/2.8-inch Sony IMX307, 2MP rolling shutter CMOS; 1920 x 1080 output
LPR lens / FOV	12mm: 41.9° D / 33.9° H / 25.6° V 16mm: 29.8° D / 24.0° H / 18.3° V 25mm: 18.6° D / 15.0° H / 11.1° V
Overview lens / FOV	8mm: 47.0° D / 38.0° H / 22.0° V 12mm: 31.0° D / 26.0° H / 15.0° V 16mm: 25.0° D / 23.9° H / 13.5° V
LPR video output	Up to 30fps: 2048x1536, 1920x1080, 1280x1024, 1280x720
Overview video output	Up to 60fps: 1920x1080, 1280x1024, 1280x720, 704x480, 640x480, 320x240
Streams / compression	LPR: triple; overview: quadruple. H.265, H.264, M-JPEG, JPEG
Shutter speed	LPR: auto/manual, 1/30-1/32000s Overview: auto/flicker/manual, 1/30-1/30000s
Sense-up	LPR: off, 1, 2; overview: off, 2x, 4x, 8x, 16x, 32x
Flip	LPR: vertical/horizontal; overview: vertical/mirror (on/off)
IR / day and night	Eight 855nm IR LEDs; true day/night (ICR)
Image controls	50/60Hz; auto/manual white balance; hue, saturation, brightness, contrast
Privacy / motion	8 privacy zones; up to 4 motion detection areas
NETWORK	
Ethernet / standard	Camera: 10/100Base-T; output: Gigabit. ONVIF Profile S
Bit rate control	LPR: ACBR/AVBR/CBR/VBR; overview: CVBR/CBR/VBR
Protocols	HTTP, RTP/RTSP (unicast/multicast), TCP/IP (v4/v6), UDP, FTP, Telnet, HTTPS, RARP, PPPoE, SNMP, PAP, CHAP, DHCP, NTP, SMTP client, UPnP
Security	IP filtering, HTTPS, encrypted and basic authentication
MECHANICAL & POWER	
Housing / protection	Aluminum; IP68, nitrogen-filled
Operating environment	-20°C to +70°C; 0-80% humidity (non-condensing)
Power / consumption	IEEE 802.3at PoE+; up to 14.0W
Dimensions / weight	185.5 W x 137.6 D x 53 H mm; approximately 1.6kg

LPR output follows the source specification table; the sensor pixel count is not the encoded output resolution. Confirm lens pairing and stream configuration for your deployment.