

SCR515PRO

intelligent traffic camera for overviews & license plate capture

fog penetration, 600 TV lines
scheduled ICR day/night switching



The SCR515PRO is an intelligent traffic camera optimized for capturing overviews and license plates. MESSOA's advanced CatchAll II and Lumii II technologies greatly enhance the SCR515PRO's surveillance capabilities and functionality. These, together with MESSOA's industry-leading fog-penetration technology, truly make this camera one of the market's top traffic solutions.

The SCR515PRO utilizes CatchAll™ II technology to deliver crisper, clearer images regardless of the setting or lighting conditions. The camera also features unique intelligent traffic modes that adjust automatically to the image-capture environment, a breakthrough technology that enables the camera to capture images from vehicles traveling at speeds up to 200 kph (124 mph) and makes it especially well suited to high speed applications. The SCR515PRO's traffic surveillance capabilities are further enhanced by its industry leading fog penetration technology, which enables it to recover real color images from foggy or smoky video streams.

features



■ Fog Penetration

The fog penetration technology enables the SCR515PRO to peer through fog and smoke to recover real color images from foggy or smoky video streams. It greatly enhances the camera's identification ratio by delivering more information-rich imagery.

■ Intelligent Traffic Modes

The camera integrates four intelligent traffic modes that enable it to adjust automatically to the image-capture environment. Intelligent traffic cameras adjust to the mode appropriate for conditions, enabling them to monitor surrounding areas to gather information on vehicle type, color and shape.

■ Scheduled ICR Day/Night Switching

Users can schedule automatic switches between color and b/w modes. When subjected to transitory external lighting changes, sensor-based switches can inadvertently change modes, causing cameras to capture b/w images in daylight and color images at night. Scheduled switching ensures that the camera remains unaffected by such external factors and continues to capture images in the correct mode.

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■ Headlight Suppression

CatchAll™ II technology enables the camera to suppress highbeam headlights and capture crisper, clear images for identification.

■ Wide Dynamic Range

Wide dynamic range optimizes an image to ensure that dark areas are more visible while retaining detail in bright areas. WDR is ideal for scenes where objects are difficult to recognize due to severe backlight or shadows. Places like bank entrances tend to be under lit or over lit. A typical camera would produce an image where a person in the dark area could hardly be recognized, whereas WDR cameras produce clear details not only of the person in the foreground but also of the background.

■ 3D DNR

3D noise reduction is a powerful method for reducing image noise that produces extremely clear images even in very dim lighting conditions.

Specification

Image System				
Signal system	NTSC		PAL	
Imaging area	4.9mm x 3.7mm			
Image pickup device	SONY 1/3" Super HAD II Hi-Res CCD			
Effective pixels(HxV)	768 x 494		752 x 582	
Electric				
Scanning system	2:1 Interlace V: 59.94Hz, H: 15.734KHz		2:1 Interlace V: 50Hz, H: 15.625KHz	
Sync system	Internal / line lock (AC input only)			
Horizontal resolution	600 / 700 TV lines (day/night mode)			
Infrared illuminator	70M distance, 850nm wavelength, view angle of 50 degree			
LEDs	Superior power:96 pcs LEDs; Metaphase-type LEDs, high-efficient array			
Gamma correction	10 levels selectable			
Minimum illumination	Day mode: 0.01 Lux(F1.4, AGC on , 10IRE); 0.04 lux (F1.4, AGC on , 50IRE) Night mode: 0.003 Lux(F1.4, AGC on , 10IRE); 0.01 lux (F1.4, AGC on , 50IRE)			
S/N ratio	More than 50dB (AGC off)			
Built-in Lens	f:7.5-50mm F1.3, IR-corrected (DC Lens)			
Privacy zone	On / Off, up to 8 zones			
Day/Night mode	Auto / Mono / Color / D/N Sync / Schedule			
Iris control	Video / DC driver			
Lumii	9 levels selectable			
White Balance	ATW1 / ATW2 / Manual			
Electric shutter	Auto (1/60 to 1/100K sec.) / manual 46 stpes (1/60 to 1/100K sec.)		Auto (1/50 to 1/100K sec.) / manual 46 stpes (1/50 to 1/100K sec.)	
BLC	BLC1 /BLC2 /BLC3 /BLC4 /BLC5 /BLC6 / Off			
Aperture control	High / Mid / Low			
Chroma	9 levels selectable			
OSD	Yes			
Intelligent traffice mode	1. Traffic 1 : 20 to 110 km/hr 12 to 68 mph 2. Traffic 2: 90 to 180 km/hr 56 to 112 mph		3. Traffic 3 : 20 to 110 km/hr 12 to 68 mph 4. Traffic 4: 0 to 20 km/hr 0 to 12 mph	
Headlight suppression	10 levels selectable			
Fog penetration	6 levels selectable			
WDR	On / Off			
Digital Noise Reduction(DNR)	Off/ 2DNR/ 3DNR			
Mirror	On / Off			
Flickerless	On / Off			
Remote control	Yes (RS485)			
Video output	1Vpp composite output, 75 ohm			
Mechanism				
Dimension (L x W x H)	422 x 174 x 145mm (16.6" x 6.9" x 5.7")			
Enclosure	Vandal-proof, side opening, IP67, vandal-proof, die-cast aluminum with stainless screw, salt resistance, with wall mount cable management bracket			
Weight	6 kg (13.22 lb)			
Application	Ceiling mount/Corner mount/Pole mount			
Environment				
Operating temperature	-30C ~ 50C			
Operating humidity	30% ~ 90% RH			
Storage temperature	-30C ~ 60C			
Protection Class	IP66/IP67			
Power supply				
Power requirement	AC24V	AC90 ~ 260 V	AC24V	—
Power consumption	45W (max. with heater&blower)			
Ordering Information	SCR515PROHB-HN2	SCR515PROHB-HN7	SCR515PROHB-HP2	—

Dimensions

