

## SCR515PRO

### intelligent traffic camera for overviews & license plate capture

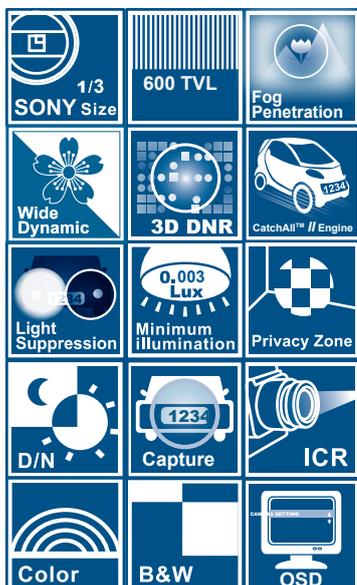
fog penetration, 600 TV lines  
scheduled ICR day/night switching



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. The advantage of scheduled switching over sensor-based switching is that the latter can inadvertently shift modes when subjected to transitory external lighting changes, capturing b/w images in daylight and color images at night. Scheduled switching ensures the camera

remains unaffected by such external factors and continues to capture images in the correct mode.

#### ■ Headlight Suppression

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

#### ■ Wide Dynamic Range

This function adjusts exposure levels in shadowed portions of images to make dark areas more visible while retaining detail in bright areas. Similar to the WDR technology, this function enables the camera to capture clear images in extreme high-contrast lighting environment.

#### ■ 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 traffic 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	On / Off		
D. 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

