

S355 Wide Dynamic Range Camera

Durable. Tamper proof. Stunning Video Quality.



Key Features & Benefits

>650 TVL color wide dynamic range camera

24 IR LED's for illumination at night

Sony Effio WDR Imaging Technology

Integrated microphone to capture audio

Vandal resistant metal housing

Cabling and connectors allow for easy installation and integration with Gatekeeper mobile DVR's

3D gimbal functionality allows image to be "Squared Up" when camera is mounted at an angle

The WDR technology correctly exposes the video for both dark areas (inside a vehicle) and bright areas (looking out doors and windows). In a mobile environment, WDR virtually eliminates the white out that occurs around vehicle windows on a bright day while maintaining observable details in dark areas.

The correct exposure is calculated for each pixel by an advanced analog to digital converter. A variety of digital signal processing techniques are used for optimal image reproduction before converting the signal back to an analog format to be recorded by the DVR.

The S355 camera is a wide dynamic range camera utilizing Sony imaging technology. The S355 has over 650 TVL of resolution with 24 integrated IR LED's. The cameras housing is metal and built to survive in

rugged and vandal susceptible environments. Vibration and thermal tested, the S355 camera is an excellent choice for both mobile and fixed environments.

Wide Dynamic Range

Sony's WDR technology provides class leading imaging performance. The image capture and processing system provides high-quality pictures with enhanced dynamic range that significantly improves image quality in scenes consisting of both bright and dark areas.

Camera - Housing Features:

Integrated Microphone

The Gatekeeper S - Series camera housing includes an integrated microphone allowing high quality audio to be captured at each camera.

Applications

School Buses

Transit

Transportation and Logistics

Law Enforcement

First Response

Taxi



Standard Camera – Background correctly exposed with foreground very dark



WDR Camera – Background and foreground correctly exposed

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Integrated IR

The integrated IR utilizes 24 infrared LED's to provide IR illumination at night. A sensor in the camera detects the ambient light and automatically turns on/off the IR LED's as needed.

3D Gimbal

The housing inherently implements a 3D gimbal design found in more expensive cameras. This allows the base to be mounted in almost any orientation while allowing the camera to be adjusted so that the image is correctly oriented.

Tamper Proof Adjustments

Not only is the camera constructed of metal but there are set screws that when tightened, prevents the camera aim from being tampered with. This is important for installation where the camera can be accessed, either due to low ceilings or accessible camera placement.

All Metal Housing

An all metal housing creates a vandal proof package that is resistant to physical damage.

90 Degree Aiming

The housing profile has been carefully designed so that the camera can be aimed 90° laterally and have a clear field of view. This is important for correct aiming when the camera is located at the front of a bus.

Tolerant to Installation Error

The S - Series housing has been designed so that the camera ball cannot be positioned behind the camera's shroud thus reflecting infrared light back into the lens. This reduces the probability of installation error.

Sealed Design

The ball that houses the camera electronics has no vents thus making the camera resistant to water spray.

Vibration Damping

In order to help reduce camera vibration, a rubber mounting ring is supplied. The rubber ring is installed between the camera base and the mounting surface. The rubber ring conforms to the camera base for easy alignment and quick installation.

Specifications

S355 Wide Dynamic Range Camera

Imaging Sensor	Sony Super HAD, 1/3" CCD	IR	24 LED's (850nm) with integrated on/off sensor
Processor	Sony	Package	Gatekeepers S3 camera housing
Minimum Illumination	0.1LUX/F1.2 (no IR), 0.0 LUX (IR On)	Available Lenses	2.9 mm, 3.6 mm, 4.3 mm, 6.0 mm, 8.0 mm, and 12.0 mm
Resolution	>650 TVL	Voltage	12v nominal
Effective Pixels	976 (H) x 494 (V)	Power Consumption:	≤3.5W with IR On
Video Output	1.0V P-P/75Ω, NTSC	Exterior Dimensions	2.8" (7cm) high x 3.6" (8.5 cm) base diameter
S/N Ratio	≥48db (AGC Off)	Weight	.5 lbs (215 g)
Electronic Shutter	1/25 to 1/30,720	Operating Temperature	-22°F to +131°F (-30°C to +55°C)
Gamma Correction	0.45	Operating Humidity	Under 90% (Non-Condensing)
AGC	Auto		
BLC	Auto		
White Balance	Auto		
Audio	Yes - integrated mic and line driver		

Specifications subject to change without notice.