

HYPER HD DYNAMIC

Hyper Wide Light Dynamic Color DPS Dome Camera ISD-A35

As the newest addition to the Ikegami Hyper Dynamic Camera Series, Model ISD-A35 features an extremely wide light dynamic range, high sensitivity and high resolution enabled by a 1/3-inch Pixim Seawolf sensor and Ikegami's digital processing technology. This camera is equipped with an auto iris vari-focal lens, back-light compensation, automatic iris control and phase adjustable AC line lock or crystal controlled internal sync lock system. It is a Hyper Wide Light Dynamic Range Dome Camera that reproduces a clear and natural image even in locations where there is a significant difference in the intensity of illumination, such as window areas, or in lobby entrance of building. ISD-A35 employs a vandal resistant dome housing that is IP66 compliant for outdoor use.

All-in-One Ergonomic Vandal Resistant Dome Housing

This dome camera comes with an IP66 class vandal resistant compact dome housing.

All-in-One 3 Axis Adjustable and Vari-focal Lens

This camera comes with all-in-one 3 Axis directional design and vari-focal lens. 3 axis adjustable design allows good positioning for omni-directional viewing from a ceiling, or even on a side wall.

Hyper Wide Light Dynamic Range (Hyper WDR)

The Hyper WDR function provides for very effective compensation of high light and dark areas in screen. This situation may occur generally outside or viewing from indoor to outside scenes. Even in large light fluctuations, bright-and-dark objects can be captured and viewed clearly with a natural color.

Automatic White Balance

Thanks to the automatic tracking white balance control (ATW), the white balance control adjusts itself no matter how great the subject's color temperature fluctuates.

High-quality Picture and High Resolution

The camera is designed for smear-free imaging and low noise. The well-designed DSP, Digital Signal Processor, effectively enhances details, which achieves crisp and sharp images with a high signal-to-noise ratio. The high resolution of a horizontal resolution of 480 TVL (690 HTVL-Effective) is assured.

High Sensitivity

Various modes of Automatic Gain control (AGC) are available to finely adjust the camera settings depending on the subject's illumination conditions. With the AGC and a slow shutter in combination, high sensitivity of up to 0.025 lux/F1.6 is achieved.

Optimum Monitor Output Select Function:

The optimum picture quality can be obtained with this function for CRT or LCD monitors. You may choose this output selection to provide the best pictures on the monitor screen.

Scene File Function (4 positions)

Along with a normal setting (NORMAL), 4 position scene file (preset file) for each particular scene is provided. Using this function enables an easy setup suitable for a scene without any special adjustment.

Focus EZ Function

Thanks to the Level Indicator, a focusing point is visibly recognized. The auto iris lens aperture will be kept open, even in broad daylight. This ensures that an accurate focus can be set readily with the best depth of field.



White Model



Black Model



Conventional Model



ISD-A30/31/35



Conventional Model



ISD-A30/31/35

Model Name	Color	Lens type
ISD-A35-31BLACK	BLACK	2.9-10mm
ISD-A35-31WHITE	WHITE	2.9-10mm
ISD-A35-92BLACK	BLACK	9-22mm
ISD-A35-92WHITE	WHITE	9-22mm

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ISD-A35 Specifications

Image Sensor	1/3-inch Pixim DPS CMOS sensor
Pixel Number	Approx. 410,000 pixels, 758 (H) x 540 (V)
Scanning System	525 TV lines / 59.94Hz (60 Hz with Line-Lock ON), 2 : 1 interlace
Sync System	INT/LINE-LOCK (phase adjustable) (Line-lock not usable where the power frequency and the camera's vertical frequency are different from each other or when the camera is DC-driven)
Video Output	VBS: 1.0Vp-p/75 ohms MON Out: 1.0Vp-p/75 ohms
Resolution	Horizontal; 480 TV lines (690 TVL-Effective) (at rated illumination)
S/N Ratio	Over 50 dB/rms (AGC OFF, Detail OFF)
Minimum Object Illumination	0.3Lx/F1.4 (in Hyper AGC mode)
Wide Dynamic Range	Built-in and Variable
AGC	ON (AGC, HYPER-AGC)/OFF (LOW, MID, HIGH) Selectable
Electronic Sensitivity Control	Built-in, On (AUTO) or Off Selectable; Maximum 32 times
White Balance Control	ATW/ATWex/AWC/MANU, Selectable
Private Mask Setting	Built-in. Up to 8 areas
Digital Noise Reduction	Built-in, On or OFF, Selectable
Optimum Monitor Output Selection	Built-in, CRT or LCD types, Selectable
Camera ID	1 Line, up to 24 characters (alphanumeric and symbols)
Local Setup	By using the switch inside the camera, it is possible to select and set items according to the OSD. Camera ID, AGC ON/OFF, ATW/AWC/ MANU selection and adjustment, Sync LL/ INT switching, and phase adjustment, Wide Dynamic Range level, Iris Level, Back light compensation On or Off and BLC Spot area setting, Electronic Sensitivity Up ON/OFF, DNR ON/OFF, Monitor output selection in CRT/LCD, Detail level, Chroma level, control, P.Mask setting
Focus Assist	FOCUS EZ function (With focus indicator)
Video Flip Function	Built-in. Up or down, right or left, up and down or right and left
Lens	Built-in. C mount Vari-focal Lens: f2.9mm ~ 10mm f9 ~ 22mm
Power Requirements	DC 12 V (+10.5V ~ + 15V) AC 24 V ± 10% (50/60Hz)
Power Consumption	Approx. 2.1 watts
Operating Temperature	-10 to +50°C
Relative Humidity	30% to 90% (No Condensation)
Dome Cover	Vandal Resistance type
Size: (Diameter & Height)	142.8 mm x 103.5 mm (excluding protrusions)
Weight	Approx. 990 g
Input/Output Connectors	VIDEO OUT: BNC Power input: open-ended wires MONI.OUT Connector output
Supplied Accessories	Instruction Manual, Screw, MONI.OUT output harness, 4 Attaching screws to secure camera, Rubber Gasket, Rubber Cap, L-form wrench, Special wrench

* Specifications and design are subject to change for product improvements without notice.

* This product is made of ECO friendly components based upon the Company policy and Corporate Social Responsibility to help Global Environmental solution for energy conservation and environmental sustainability, and all the components used in this product are Non-hazardous, Toxic Free, Non-Lead materials and parts conforming with Japan's Green Product Regulation, EU's RoHS Directive, and other environmental and hazardous chemical substances related regulations and laws.

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Ikegami **IKEGAMI ELECTRONICS (U.S.A.), INC.** ■ URL <http://www.ikegami.com>

HEADQUARTERS 37 BROOK AVENUE, MAYWOOD, NJ 07607
Phone:(201) 368-9171 Fax:(201) 569-1626

WESTCOAST OFFICE 2631 MANHATTAN BEACH BLVD., REDONDO BEACH, CA 90278
Phone:(310) 297-1900 Fax:(310) 536-9550

SOUTHWEST OFFICE 773 BEARDEN WAXAHACHIE, TX 75167 Phone:(972) 869-2363 Fax:(972) 556-1057

MIDWEST OFFICE 747 CHURCH ROAD, UNIT C1, ELMHURST, IL 60126 Phone:(630) 834-9774 Fax:(630) 834-8689

SOUTHEAST OFFICE 5200 N.W. 33RD AVENUE, SUITE 111 FORT LAUDERDALE, FL 33309 Phone:(954) 735-2203 Fax: (954) 735-2227

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