

# EHD705

## Ultra 720 Series True WDR Low Light IP66 3-Axis Dual Voltage Vandal Resistant Low Profile Camera



Get incredible bright light and low light performance plus the resolution listed in the specs from the actual cameras you install. To take full advantage of the amazing images produced by this advanced imaging technology, the EverFocus Ultra Series EHD705 uses a Sony Double Scan 960H\_WD sensor together with a megapixel lens to produce True Wide Dynamic Range (WDR) performance with 720 horizontal TV lines of resolution from this unique Ultra Series 720+ camera. Combine a native low light sensitivity of 0.05 lux with field programmable digital slow shutter and this camera truly provides color without compromise: over 720TVL

resolution, plus your choice of full motion color or day/night images in ultra low light (no ghosting when using practical DSS setting of ~4X) and Double Scan True Wide Dynamic Range for clear color images in the most challenging of bright or unbalanced scene lighting conditions. The EHD705 offers a unique low profile IP66 rated vandal resistant housing with 3 axis positioning for wall or ceiling surface mounting flexibility; 3.7mm megapixel lens that covers a 66° wide field of view; dual voltage operation and a full suite of OSD Menu and DSP functions controllable at the camera (3D-DNR to save DVR HDD space, privacy masking, mirroring, and much more). This is the camera that you have been waiting for to create analog CCTV systems that produce astounding image clarity in the widest range of vandal resistant and IP66 outdoor applications under almost any lighting conditions.

### Features

- True Wide Dynamic Range expansion from double scan sensor plus electronic ATR-EX to deliver properly exposed images despite bright or unbalanced lighting in the scene
- Ultra resolution of over 720 horizontal TV lines for astounding image quality
- Unique low profile housing design with 3-Axis positioning for convenient wall or ceiling mounting
- Vandal resistant, IP66 weather resistant housing
- Fixed 3.7mm megapixel lens captures a 66° wide field of view
- Video test output point for convenient aim and focus during installation, and ease of service
- Exview HAD II sensor delivers amazing ultra high sensitivity of .05 lux - low light sensitivity before DSS low light boost
- Adjustable low light enhancement for superlative performance without ghosting
- Color without compromise: your choice of full motion color or day/night images in low light without ghosting
- Easy to use OSD setup menu control includes a wide range of image control options
- Back light compensation (BLC) and Highlight Compensation (HLC)
- Adjustable 3D-Noise Reduction increases picture clarity while improving DVR disk storage utilization
- Privacy mask function for 15 configurable zones
- Dual voltage (12VDC/24VAC) with Anti Color Roll for stability even without line lock

<b>Imaging Device</b>	1/3" Sony Double Scan Super HAD II 960H_WD CCD
<b>Video Format</b>	NTSC
<b>Picture Elements</b>	1020(H)x508(V)
<b>Effective Picture Elements</b>	976(H) x 494(V)
<b>Horizontal Resolution</b>	More than 720 TVL from production cameras
<b>Sensitivity</b>	0.05Lux/F=1.0 native; .000001 lux theoretical @ 256X max. DSS
<b>Digital Slow Shutter Low Light Enhancement</b>	2x~256X (Note: DSS values beyond 4X may lead to blur or 'ghosting'; values beyond 4X should be used only after careful consideration of application conditions.)
<b>S/N Ratio</b>	Over 50dB (AGC off, 3-D DNR On)
<b>Video Output</b>	BNC 1.0V p-p 75Ω,
<b>Gamma Correction</b>	0.45
<b>Lens Type</b>	3.7mm megapixel fixed focal length
<b>Auto Gain Control</b>	Low light auto, Bright light auto, Manual selectable
<b>Electronic Shutter</b>	1/60 ~1/100,000 sec.
<b>White Balance</b>	ATW/One Push/User1/User2/Anti-Crawl/Manul/Push Lock
<b>Sync. Mode</b>	Internal (plus Anti-Chroma Crawl White Balance option above)
<b>Day &amp; Night</b>	Field select Color, B/W, Auto (Digital D/N)
<b>OSD Menu</b>	Multiple functions
<b>OSD Languages</b>	English, Spanish, Portuguese, German, Russian, Japanese, Chinese, French
<b>DNR</b>	2D & 3D On/Off (level adjustable)
<b>Wide Dynamic Range</b>	True WDR from Sony Double-Speed Sensor (Level & Contrast Adjustable)
<b>Extended Adaptive Tone Curve Reproduction/ Digital WDR (ATR-EX)</b>	On/Off (3 levels each adjustable for luminance and contrast)
<b>Back Light Compensation</b>	Off/On Zone & level adjustable
<b>Highlight Compensation</b>	Off/On/Auto Level and scale adjustable
<b>Digital Zoom</b>	1X, 1.5X, 2X, 2.5X, 3X
<b>Flickerless</b>	Off/On
<b>Image Rotate</b>	H+V-flip (180° rotate) Off/On
<b>Motion Detection</b>	Off/On for 4 selectable zones (On screen indication on alarm)
<b>Privacy Mask</b>	Off/On for 15 configurable zones
<b>Power Source</b>	12VDC/24VAC
<b>Power Consumption</b>	12VDC:200mA max. / 24VAC:2.8W max.
<b>Operating Temperature</b>	14°F~122°F ; -10°C~50°C
<b>Storage Temperature</b>	-4°F~140°F ; -20°C~60°C
<b>Mechanical</b>	Vandal resistant metal body and clear plastic dome
<b>Environmental</b>	Weather Resistant, IP66 Rated
<b>Dimensions</b>	Approximately triangular shape, 5.47" wide x 5.28" long, 1.93" high
<b>Weight</b>	19.6 oz.
<b>Certifications</b>	CE / FCC

### Ordering Information

**EHD705:** Ultra Series 720+ TVL True WDR Low Light IP66 3-Axis Dual Voltage Vandal Resistant Low Profile Camera White