



# SECURE EYE - SERIES

# 1080p

## FULL HD HD-SDI

### iridix DRC Super Wide Dynamic Day&Night Full HD Multi-Purpose Information Camera

#### Real time high dynamic range compression on the image data directly

SecureEye - 1080p employs iridix Wide Dynamic Range technology with 1920x1080/60p high sensitive as well as high resolution CMOS image sensor, and supports both of SDTV and 1080p HDTV resolution. The additional combination of Day&night and auto IRIS function makes SecureEye-1080p a sophisticated multi-purpose information camera that provides a great performance not only in security, disaster prevention and traffic surveillance but also Electronic toll collection (ETC) and criminal investigation which require the targets captured instantaneously and clearly for incriminating.

#### Features

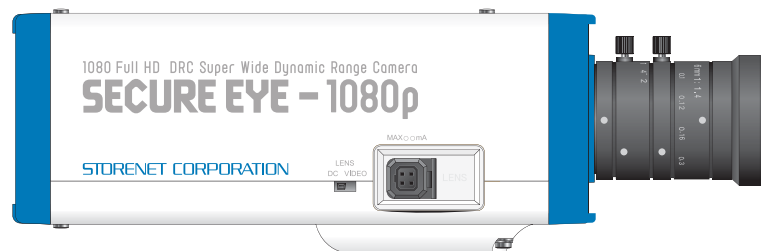
Compact body: External dimension  
78(w) x 66(h) x 160(d)mm

High sensitivity and high resolution  
1 / 3 CMOS sensor.

Resolution  
CS mount lens adaptive 1920 x 1080

Scanning  
Progressive

iridix DRC / High sensitivity with near-infrared  
Smear LESS / Automatic Electronic Shutter  
Backlit correction / Internal / External SYNC  
2way auto IRIS function / Privacy zone  
RS-485 I/F / Flange focus adjustable



#### iridix

iridix is a powerful, high quality dynamic range control engine. It is an implementation of a set of algorithms based on research into the human visual system that is the most ideal DRC system existing. It differs from conventional methods such as gamma correction in that it applies different tone correction curve and color transformations to every pixel in an image to look natural just seen by the user's own eyes. On the other hand, gamma correction is fixed (non-adaptable) and uniform (space-variant) and lead to loss of contrast and tend to produce undesired color changes which most compensated.

#### Option

- HD-SDI Repeater    ■ HD-SDI Receiver
- HD-SDI Digital Recorder    ■ Specialized Polarizing Lens



HD Repeater



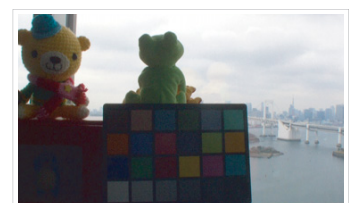
HD Receiver



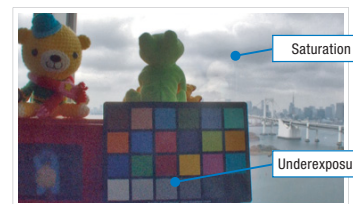
Standard



Specialized Polarizing Lens



iridix OFF



iridix ON

## SecureEye - 1080p product range (4 models)

SecureEye - 1080p - N	NTSC / PAL output (1080p input)
SecureEye - 1080p - CL	Camera link (basic) output
SecureEye - 1080p - SDI	HD - SDI output
SecureEye - 1080p - IP	100 Base Ethernet output

## Specification

Image sensor	1 / 3 inch CMOS (A3372)
Resolution	1920 x 1080
Pixel Size	2.7µm square
Aspect Ratio	16 : 9
Pixel Clock	75MHz
Color / BW Change	AUTO / COLOR/BW
Lens Mount	CS mount
Flange Focus	Adjustable
Controller Interface	RS - 485
Microphone Input · Audio Output	n / a
Auto IRIS	DC / Video Switchable
Digital Image output	Camera link Basic configuration equivalent HD - SDI 1920 x 1080 / 29.97p or 25p Special Mode 1500 x 700 / 30.127p
	HD - SDI 1920 x 1080 / 59.94i or 50i 1280 x 720 / 59.94p (clipping)
Analog Image output	1Vp - p Composite signal 75Ω unbalance BNC Terminal output NTSC - M, NTSC - J, PAL - B (Analog output of SecureEye - 1080p - CL, SDI and IP not applicable)
Scanning	Progressive
SYNC System	Internal or External (GENLOCK)
Power Supply	DC12V (±2V)
DRC Technology	iridix
Privacy Zone	ON / OFF (Zone setting max 8 points)
External Dimension	78(W) x 66(H) x 160(D)mm

## IP Camera

Network	10BASE - T / 100BASE - TX, RJ45 Connector
Resolution	1920 x 1080 (1080 / 29.97p)
Image Compression	H.264 / MJPEG (Alternative)
Image Update Rate	30 / 15 / 10 / 5 / 3 / 2 / 1fps (H.264 Max 30fps / MJPEG Max 20fps)
Delivery Control	512kbps~12Mbps
Protocol	IP v4 / IP v6 (UDP, TCP, RTP / RTCP, RTSP, NTP, DHCP, HTTP, DNS, FTP)
Browser	Windows viewer or Windows VLC Player
MJPEG Image Quality	5 Levels

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