

**HD-SDI**  
Megapixel over Coax CCTV



# HD-SDI

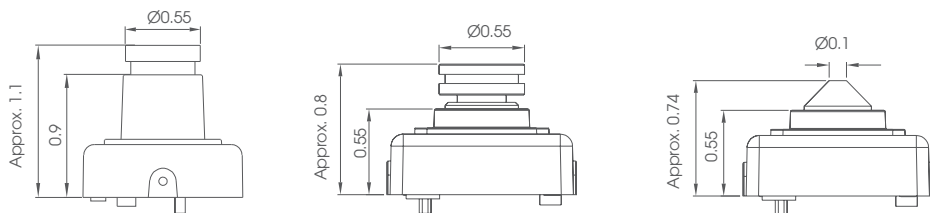
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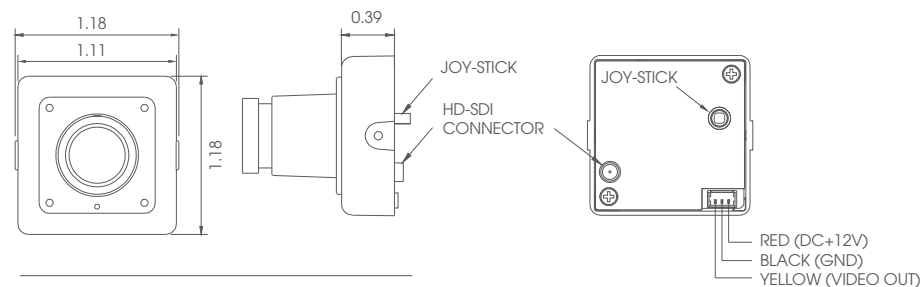
## Key Features

- Ultra compact size 1.2" square 2.1 megapixel HD-SDI camera weighs only 1-1/4 ounce fits anywhere
- HD-SDI/HDCCTV Megapixel real time 1920x1080 or 1280x720 HD video over coax for superlative image detail
- Supports video outputs of 1080p30/25; 720p60/50 (field select)
- Sens-Up of up to 32X DSS boosts low light performance (use of DSS values greater than 4X should only be used after careful consideration of application conditions)
- "Double Shutter" Wide Dynamic Range plus Adaptive Contrast Enhancement (ACE/DWDR) functions handle bright and unbalanced lighting conditions
- HSBLC & BLC to handle backlight and highlight specific conditions
- 3D DNR improves picture clarity while enabling DVRs to improve disk storage utilization
- Included bracket allows flexible mounting and aiming
- 3.7mm megapixel lens captures the desired field of view
- Multi-language OSD setup menu with multiple functions (image flip, privacy mask, digital zoom, defog, camera title, motion detect, etc.)
- SD/analog TV Out for setup, aim and focus using a standard hand held test monitor
- Power Source only 120mA from 12VDC

## Lens Options: Plus CS-Mount Fixed & Auto Iris Lens



## Diagram (Unit: inch)



## Technical Specification

Pickup Device	1/3" 2.1 Megapixel Color CMOS sensor
Total Pixels	1944 x 1092
Effective Pixels	5.28 mm x 2.97 mm (16:9 aspect ratio; 6.06 mm diagonal)
Sensitivity	0.001Lux ~ 0.00008Lux @ Max. DSS 32x
S/N Ratio	More than 52dB
Video Format Main Output	HD-SDI
Resolution Main Output	Field select 1080p or 720p
Video Mode Main Output	Field select 1080p 30/25; 720p 60/50
Main Output Connector	BNC-F
Video Format Service Video Output	NTSC/PAL selectable
Service Video Output Connector	BNC-F
Electronic Shutter	Auto/Manual selectable 1/30(20); 1/60(50); 1/120(100); 1/250; 1/700; 1/1.1K; 1/1.6K; 1/2.5K; 1/5K; 1/7K; 1/10K; 1/30K
Lens Choices (megapixel board type)	f=3.7mm/F2.5 (3M) / f=8mm/F1.8 (1.3M) Super-cone Pinhole f=4.3mm/F2.0 (1.3M)
Day/Night Control	Digital D&N (Auto/Color/B&W)
Wide Dynamic Range / Back Light Compensation	Off/BLC/WDR (WDR adjustable for level; BLC adjustable for area) (WDR option employs "Double Shutter" Wide Dynamic Range Compensation)
Digital Wide Dynamic Range	Adaptive Contrast Enhancement (ACE)
Auto Gain Control	Yes (12-60 dB)
Auto White Balance	Auto/Auto Ext/Push Lock/Manual
DNR	3D DNR; Off/Low/Mid/High selectable
OSD Menu	Yes (controlled from 3-axis joystick control)
OSD Language	English, Russian, Spanish, German, French, Portuguese, Chinese
Image Flip	Off/H Flip/V Flip/HV Flip (rotate 180°)
Privacy Zones	Up to 15 zones, with adjustable color and transparency
HSBLC	Adjustable for level, mode (day/night/all), and mask color
Digital Zoom	Up to 20X
Defog	Image clarity improvement in diffused light environments low/middle/high
Power Sources & Consumption	12V DC: 120mA max.
Dimensions	1.18 inch x 1.18 inch x 1.11 inch (30 mm x 30 mm x 28.2 mm)
Weight	1.23 oz. (35 g)
Operating Temperature	-10 °C ~ 50 °C ; 14 °F ~ 122 °F
Storage Temperature	-20 °C ~ 60 °C ; -4 °F ~ 140 °F
Humidity	20% ~ 80%, non condensing
Mounting Provision	Tilt/Swivel bracket provided
Certifications	FCC, CE