RC-HSD2020-IN Series
Starlight 2MP 20x Analog HD IR Speed Dome

The RC-HSD2020-IN is a 2-megapixel HD-Over-Coax IR PTZ dome camera featuring 20x optical zoom for long range surveillance needs. These PTZ dome cameras are fully compatible with video standards of HD-TVI/CVI/AHD, delivering sharp images in both bright and dark areas for maximized visibility. HD-TVI/CVI/AHD CCTV solution shows its strengths of non-compressed video quality, less storage capacity and low requirement for network bandwidth, making it ideal for video upgrading applications from standard analog video to megapixel HD analog over the existing cable infrastructure.

Typical Applications

- Intelligent surveillance systems for large city and critical Infrastructures
- Intelligent Transportation Systems such as railways, motorways, airports, seaports and others
- Intelligent security solutions for oil, gas, electric power, marine, and wind power

Product Features

- 1/3" 2.0M Ex-view Sony CMOS sensor, 20x optical zoom
- Compatible with video standards of HD-TVI/CVI/AHD/CVBS
- Up to 2.0MP 1920(H) x 1080(V) Effective Pixels
- IR illumination up to 120 meters with 8 PCS Infrared illuminators
- 360° continuous rotation and 0°- 90°tilt range wtih no blind monitor area
- Max. pan preset speed of 200°/s and max. tilt preset speed of 75°/s
- Pan control speed 0.6°~200°/s, tilt control speed 0.8°~75°/s
- Support 220 presets, 8 patrols, 4 patterns, AB line scan
- Operating temperature up to 60°C (140°F)
- Support TVS 3000V lightning protection, surge protection and voltage transient protection

Specifications

Camera

Image Sensor	1/3"Ex-view Sony CMOS Sensor
Resolution	2 MP
Effective Pixels	1920(H) x 1080(V)
Pan range/speed	360° horizontal continuous rotation speed 0.6 - 200°/s
Tilt range and speed	0°- 90°, speed 0.8°- 75°, Auto Flip
Shutter Speed	1/25 s -1/10,000 s
Slow shutter	Supported
IR Illumination	Color: 0.05Lux, B/W: 0.005Lux 0 lux with IR
Day/Night	IR-cut filter with auto switch
Infrared Distance	120 m
IR Status/Power On	Auto
S/N Ratio	≥50dB （AGC OFF）
Preset	220
Pattern Tour	4, max 10 Mins
Auto Scan	Support
Cruising Track	8, each support up to 32 presets
Dome Function	Support presets, crusing tracks, auto scans, pattern tours
BLC	On/Off
Gain control	Auto/manual
Noise reduction	Support DNR

Lens

Optical Zoom	20x
Focus Length	4.7 -94mm
Pan View Angle	54.8° - 3.4°(Wide-Tele)
Focus Control	Auto, motorized

Video

Video Output	HD-TVI/CVI/AHD/CVBS
TV System	PAL/NTSC
Video Port	BNC

Environmental

Ingress protection level	IP66
Operation Temperature	-20 °C ~ +60 °C
Storage Temperature	-20 °C ~ +60 °C
Relative humidity	95% Max
Power Supply	DC12V, 4A
Power Consumption	10W Max
Dimension	285 x 285 x 440mm
Weight	6KG

Dimensions