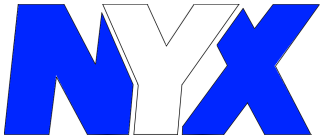


NYX SOLAR 1



SPECIFICATIONS

| | |
|--------------------------|---|
| Model | NYX SOLAR 1 |
| Camera` | |
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Min. Illumination | 0.000625 lux@F1.0, AGC ON; 0 lux with LED ON |
| Shutter Speed | Auto |
| WDR | 120dB |
| S/N Ratio | ≥ 50dB |
| BLC | Yes |
| HLC | Yes |
| Digital NR | 3D NR |
| Angle Adjustment | Pan: 0°~360°; Tilt:-60°~10°; |
| Lens | |
| Lens Type | Fixed focal lens, 2.8mm and 3.6 mm optional |
| Aperture | F1.0 |
| FOV | 2.8 mm @F1.0, H.FoV: 113°; V.FoV:60°; D.FoV:133° 3.6 mm @F1.0, H.FoV: 95°; V.FoV:50°; D.FoV:114° |
| Lens Mount | M16 |
| DORI | |
| DORI | 2.8mm, D: 50 m, O: 20 m, R: 10 m, I: 5 m 3.6mm, D: 62 m, O: 25 m, R: 12 m, I: 6 m |
| Illuminator | |
| Supplement Light Type | White Light |
| Supplement Light Range | Full power mode: up to 20 m; Low power mode: up to 10 m |
| Smart Supplement Light | Yes |
| Video & Audio | |
| Video Compression | Main stream: H.265+ / H.265/ H.264+ / H.264 |

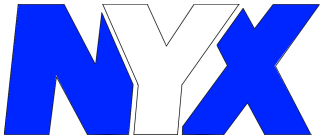


NYX SOLAR 1



SPECIFICATIONS

| | |
|-----------------------------|--|
| | Sub/Third stream: H.265+ / H.265/ H.264+ / H.264 MJPEG |
| H.264 Compression Standard | Baseline Profile/Main Profile/High Profile |
| Resolution | 4MP (2560×1440), 3MP (2304×1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 640 × 480, CIF, 480 × 240 |
| Main Stream | 60Hz:4MP/3MP/1080P/720P(1~15fps); 50Hz:4MP/3MP/1080P/720P(1~12fps) |
| Sub Stream | 60Hz:720P/D1/CIF (1~15fps); 50Hz:720P/D1/CIF (1~12fps) |
| Third Stream | 60Hz:720P/640 × 480 (1 fps); 50Hz:720P/640 × 480 (1 fps) |
| Bit Rate | 16Kbps ~ 8Mbps |
| Bit Rate Type | VBR/CBR |
| Audio Compression | G711A / U |
| Image Settings | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser |
| ROI | Each ROI to be configured separately |
| Mobile Communication | |
| SIM Card Type | Micro SIM |
| Frequency | LTE-TDD: Band 38/39/40/41; LTE-FDD: Band 1/2/3/4/5/7/8/12/13/18/19/20/25/26/28; WCDMA: Band 1/5/8; GSM: Band 2/3/5/8 |
| Standard | LTE-TDD, LTE-FDD, WCDMA, GSM, 4G Cat4 |
| PIR | |
| PIR Angle | Horizontal: 82°, vertical:50° |
| PIR Range | Up to 15 m |
| Interfaces | |
| Network | 1 CH RJ45 10 M/100 M self-adaptive Ethernet port |
| Audio | 1 CH built-in MIC, 1 CH built-in Speaker |
| Warning Light | 1 blue LED light, 1 red LED light |
| RS-485 | Yes, half-duplex |

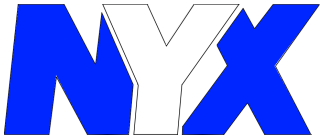


NYX SOLAR 1



SPECIFICATIONS

| | |
|----------------------------------|--|
| Storage | Built-in 64G eMMC storage (including system software); Built-in micro SD card slot, up to 256GB |
| Reset | Yes |
| Functions | |
| Remote Monitoring | Web Browser/TVT NVMS2.0/NVR/mobile APP |
| Web Browser | IE11(plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+ |
| Online Connection | Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission |
| Network Protocol | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPs, HTTP, QoS, P2P, HTTP POST |
| Interface Protocol | ONVIF |
| Intelligent Analytics | Video exception detection, region intrusion detection (human/vehicle classification), line crossing detection(human/vehicle classification), and abandoned / missing object detection, PIR |
| Smart Alarm | Motion detection, SD card error, SD card full |
| Linkage | Upload to memory card/eMMC/FTP, notify surveillance center, audible warning, trigger recording, trigger capture, send email |
| General function | Watermark, video mask, heartbeat, corridor pattern |
| Security | Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP |
| General | |
| Power | Power Consumption: < 5W Lower Power Mode:< 3.5 W (4 G working) Power Supply: 12 VDC ± 25% * for debugging only 60 W ±2 W Solar panels |
| Startup and Operating Conditions | -20 to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing) |
| Gross Weight | Approx. 16.9KG (without LFP battery); Approx. 20.65 KG (with LFP battery) |
| Battery | |



NYX SOLAR 1



SPECIFICATIONS

| | |
|-----------------------|--|
| Batter Type | LFP battery (lithium iron phosphate battery) |
| Capacity | 23Ah |
| Battery Voltage | 12.8V |
| Operating Temperature | Charging: -20 ℃ to 45 ℃ (-4 °F to 113 °F) ; Discharging: -20 ℃ to 60 ℃ (-4 °F to 140 °F) |
| Battery Life | More than 2000 cycles |
| Protection | |
| Protection | Camera: IP67 Wind Resistance 12 level |
| Certificate | CE, FCC, Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006) Li-Battery: UN38.3, CE, FCC 4G Communication: SRRC/CCC, GCF, CE/UKCA, PTCRB, FCC, IC, Anatel, IFETEL, KC, NCC, JATE/TELEC, RCM, FAC, NBTC, IMDA, ICASA,etc. |

