

3i CCTV

iP, integration, intelligent



Model no

nGPIO Alarm GPIO Expansion Module

Electrical

Alarm Input TTL x 4
 Alarm Type NO or NC
 Control Output Relay x 4
 Relay Rating 110Vac/10A, or 220Vac/5A
 Communication Mode RS232 or RS485 selectable

No. of Cascaded Module Up to 8 modules per node (8 ID selectable)

Max. IO per IP Alarm Input x 32, Rely Output x 32

Protocol Baud Rate (bps) 2,400/ 4, 800/ 9,600/ 19, 200/ 38,400/ 57,600/ 115, 200 bps selectable

Power Requirement:

Input Range DC 12V, 350mA
 Power Consumption Less than 5W

Mechanical:

Dip Switch x 7
 Small Terminal 3.5mm pitch x 12 (refer to the right chart)
 Big Terminal 5mm pitch x 12 (refer to the right chart)

Enclosure Aluminum Material
 Dimension 97 (L) x 82 (W) x 33 (H) mm
 Weight < 300g

Environment:

Operating 0 to 50°C, 10% to 80% R.H. (non-condensing)
 Storage (-)10 to (+) 70°C, 5% to 95% (non-condensing)

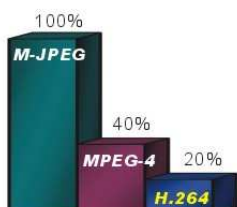
Approvals

CE, FCC, RoHs

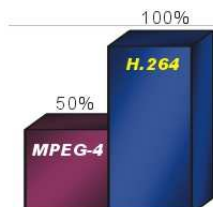
Technology



File Size



Video Quality



| ID Setting | | | | BaudRate Setting | | | | Rs232/ 485 | | |
|------------|----|----|----|------------------|--|----|----------------|------------|-------|--|
| #1 | #2 | #3 | #4 | #5 | #6 | #7 | Bits/sec (bps) | #8 | Type | |
| 0 | 0 | 0 | 0 | ID 00 | 0 | 1 | 1,200 | 0 | RS485 | |
| 1 | 0 | 0 | 0 | ID 01 | 1 | 0 | 2,400 | 1 | Rs232 | |
| 0 | 1 | 0 | 0 | ID 02 | 0 | 0 | 4,800 | | | |
| 1 | 1 | 0 | 0 | ID 03 | 1 | 1 | 9,600 | | | |
| 0 | 0 | 1 | 0 | ID 04 | 0 | 1 | 19,200 | | | |
| 1 | 0 | 1 | 0 | ID 05 | 1 | 0 | 38,400 | | | |
| 0 | 1 | 1 | 0 | ID 06 | 0 | 0 | 57,600 | | | |
| 1 | 1 | 1 | 0 | ID 07 | Not used! Reserved for future expansion | | | | | |
| 0 | 0 | 0 | 1 | ID 08 | | | | | | |
| 1 | 0 | 0 | 1 | ID 09 | | | | | | |
| 0 | 1 | 0 | 1 | ID 10 | | | | | | |
| 1 | 1 | 0 | 1 | ID 11 | | | | | | |
| 0 | 0 | 1 | 1 | ID 12 | | | | | | |
| 1 | 0 | 1 | 1 | ID 13 | | | | | | |
| 0 | 1 | 1 | 1 | ID 14 | | | | | | |
| 1 | 1 | 1 | 1 | ID 15 | | | | | | |

| 3.5mm pitch | | 5mm pitch | | |
|-------------|--------------|-----------|----------------|------|
| #1 | DC12VIn | #1 | Relay Output 1 | NO1 |
| #2 | Power GND | #2 | | Comm |
| #3 | Tx | #3 | | NC1 |
| #4 | Rx | #4 | Relay Output 2 | NO2 |
| #5 | DT+ | #5 | | Comm |
| #6 | DT- | #6 | NC2 | |
| #7 | Alarm In GND | #7 | Relay Output 3 | NO3 |
| #8 | Alarm In GND | #8 | | Comm |
| #9 | Alarm 1 | #9 | | NC3 |
| #10 | Alarm 2 | #10 | Relay Output 4 | NO4 |
| #11 | Alarm 3 | #11 | | Comm |
| #12 | Alarm 4 | #12 | | Nc4 |