

Voltage Drop According to Cable Length Based on CAT5 Cable

| Voltage | DC12V | | | | | | | | |
|--------------------------|-------|------|------|------|------|------|------|------|------|
| | 50M | | | 100M | | | 300M | | |
| Distance | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Camera Power Consumption | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR |
| 50mA | 11.4 | 11.7 | 11.8 | 10.8 | 11.3 | 11.6 | 9.6 | 10.6 | 11 |
| 100mA | 11 | 11.5 | 11.5 | 9.7 | 10.8 | 11.2 | X | 9.2 | 10.1 |
| 150mA | 10.5 | 11.2 | 11.3 | 9 | 10.4 | 10.9 | X | X | 9.3 |
| 200mA | X | 11 | 11.2 | X | 9.9 | 10.6 | X | X | X |
| 250mA | X | 10.7 | 11 | X | 9.4 | 10.2 | X | X | X |
| 300mA | X | 10.5 | 10.8 | X | X | 9.9 | X | X | X |
| 350mA | X | 10.3 | 10.6 | X | X | 9.7 | X | X | X |
| 400mA | X | 10 | 10.4 | X | X | 9.4 | X | X | X |
| 450mA | X | 9.6 | 10.2 | X | X | X | X | X | X |
| 500mA | X | 9.2 | 9.8 | X | X | X | X | X | X |

| Voltage | DC15V | | | | | | | | | | | |
|--------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | 50M | | | 100M | | | 300M | | | 600M | | |
| Distance | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Camera Power Consumption | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR |
| 50mA | 14.4 | 14.7 | 14.8 | 13.8 | 14.3 | 14.6 | 11.9 | 13.6 | 14 | X | 12 | 12.9 |
| 100mA | 14 | 14.5 | 14.5 | 12.7 | 13.8 | 14.2 | X | 12.2 | 13.1 | X | X | 11.1 |
| 150mA | 13.5 | 14.2 | 14.3 | 12 | 13.4 | 13.9 | X | 11.1 | 12.3 | X | X | X |
| 200mA | 12.6 | 14 | 14.2 | 11.3 | 12.9 | 13.6 | X | X | 11.5 | X | X | X |
| 250mA | 12.1 | 13.7 | 14 | 10.3 | 12.4 | 13.2 | X | X | X | X | X | X |
| 300mA | 11.8 | 13.5 | 13.8 | X | 12 | 12.9 | X | X | X | X | X | X |
| 350mA | 11.3 | 13.3 | 13.7 | X | 11.7 | 12.7 | X | X | X | X | X | X |
| 400mA | 10.8 | 13 | 13.5 | X | 11.2 | 12.4 | X | X | X | X | X | X |
| 450mA | X | 12.7 | 13.3 | X | 10.7 | 12.1 | X | X | X | X | X | X |
| 500mA | X | 12.4 | 13.1 | X | X | 11.6 | X | X | X | X | X | X |

| Voltage | DC24V | | | | | | | | | | | |
|--------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| | 50M | | | 100M | | | 300M | | | 600M | | |
| Distance | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| Camera Power Consumption | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR | PAIR |
| 50mA | 23.8 | 23.8 | 23.8 | 23 | 23.5 | 23.6 | 21 | 22.4 | 23 | 18.1 | 21.2 | 22.1 |
| 100mA | 23.6 | 23.4 | 23.5 | 22.4 | 23.1 | 23.3 | 18.7 | 21.1 | 22.2 | 12.9 | 18.7 | 20.4 |
| 150mA | 22.6 | 23.2 | 23.3 | 21.3 | 22.6 | 22.9 | 16.2 | 20 | 21.3 | X | 16.1 | 18.9 |
| 200mA | 22.1 | 22.9 | 23.1 | 20.3 | 22 | 22.5 | 13.7 | 18.1 | 20.5 | X | 13.5 | 17.1 |
| 250mA | 21.6 | 22.6 | 22.9 | 19.4 | 21.6 | 22.2 | 10.9 | 17.4 | 19.6 | X | 11.1 | 15.4 |
| 300mA | 21.1 | 22.4 | 22.7 | 18.4 | 21.2 | 21.9 | X | 16.1 | 18.8 | X | X | 13.8 |
| 350mA | 20.6 | 22.1 | 22.5 | 17.5 | 20.6 | 21.6 | X | 15 | 18.1 | X | X | 12.2 |
| 400mA | 20.2 | 21.8 | 22.3 | 16.5 | 20.1 | 21.2 | X | 13.9 | 17.3 | X | X | 10.7 |
| 450mA | 19.7 | 21.6 | 22.1 | 15.5 | 19.6 | 20.9 | X | 12.7 | 16.6 | X | X | X |
| 500mA | 19.1 | 21.3 | 21.9 | 14.5 | 19.1 | 20.5 | X | 11.3 | 15.4 | X | X | X |

| AC24V / 2 Pair CAT5 | |
|---------------------|------------------|
| Current | Distance |
| 100mA | Up to 300 Meters |
| 300mA | Up to 100 Meters |
| 1 Amp | Up to 30 Meters |