



Telemetry Protocol Matrix

NOTE

These signals apply to the server end and need to be wired to their opposite at the camera ie TXA to RXA etc

| Protocol Camera Wiring | | TXA | TXB | RXB | RXA | |
|---------------------------|--------------|-----------------|------------|-------------|-----------|----------|
| | Micro | | | | | |
| | | 1 | 2 | 5 | 7 | 9 |
| | Boxer | | | | | |
| | | 1 | 3 | 2 | 4 | 5 |
| Protocol | Data | Sentinel | | | | |
| | | 1 | 2 | 3 | 4 | 5 |
| Pelco D | RS485 | Data A - | Data B + | | | |
| Pelco P | RS485 | Data A - | Data B + | | | |
| Overview - Dennard | RS485 | Data - (A) | Data + (B) | | | |
| Overview - CBC AllView | RS485 | Data - (A) | Data + (B) | | | |
| 360 Vision 18:1 | RS485 | Data A - | Data B + | | | |
| Forward Vision MIC300/400 | RS422 | RX(A)Yellow | RX(B)White | TX(B)Violet | TX(A)Blue | |
| | RS485 | RX(A)Yellow | RX(B)White | | | |
| Panasonic WV-CW960 | RS485 | RB Yellow | RA Green | TB Red | TA Orange | |
| JVC | RS485 | RX - Black | RX + Red | TX + Yellow | TX - Blue | |
| Vicon PVP | RS422 | COMM- | COMM+ | RESP+ | RESP- | |
| | RS485 | COMM- | COMM+ | | | |



Telemetry Protocol Matrix

Camera Types

| Camera Types | Camera Type | Uses Protocol Number | |
|--|-------------|----------------------|---------------------|
| No telemetry control | 0 | N/A | |
| 360 Vision dome camera, 18:1, 48 degree | 20 | 20 | |
| CBC C-AllView 18x | 101 | 1 | |
| CBC C-AllView IR 18x | 111 | 1 | |
| CBC C-AllView Thermal Imager 18x | 121 | 1 | NOT YET IMPLEMENTED |
| Dennard 2060 pre March 2007 | 2 | 1 | |
| DM 2060 dome, post 03/07, 18:1, 48 degree | 30 | 1 | |
| DM 2060 dome, post 03/07, 25:1, 48 degree | 31 | 1 | NOT YET IMPLEMENTED |
| DM 2060 dome, post 03/07, 36:1, 48 degree | 32 | 1 | |
| Forward Vision Mic 300mk2 / 400, 18:1, 48 degree | 40 | 40,41 | |
| Forward Vision MIC1 400, 36:1, 57.8 degree | 41 | 40,41 | |
| Generic basic camera control over Pelco D/P | 9 | 51,52,53 | |
| Molynx/Videmech/Bewator - basic control | 3 | 3,3 | |
| Panasonic simple telemetry, 16 speed, no PnS | 80 | 80,81,82,83 | |
| Panasonic simple telemetry, 256 speed, no PnS | 81 | 80,81,82,83 | |
| Panasonic Point and Shoot telemetry | 82 | 80,81,82,83 | |
| Panasonic CW960 PnS + Auto Tracking | 83 | 80,81,82,83 | |
| Panasonic CW970 PnS + Targetable Auto Tracking | 84 | 80,81,82,83 | |
| Pelco Spectra 3,4 - full PnS | 7 | 51,52,53,55,56 | |
| Pelco D generic plus Spectra 3 RS422 22x | 50 | 51,52,53 | |
| Pelco Spectra 22x | 51 | 51,52,53,54,55,56 | |
| Pelco Esprit 22x with wiper | 52 | 51,52,53,54,55,56 | |
| VCL, Honeywell Orbiter 18:1 - full PnS | 8 | 6,7 | |
| TP basic slave camera | 1001 | N/A | |
| Videocon speed dome via Pelco D | 53 | 51,52,53 | |
| Vicon PVP type VPS variants (3 speed) | 60 | 60 | |
| Vicon Surveyor etc PnS | 61 | 60 | |



Telemetry Protocol Matrix

Telemetry Protocols

| TP Telemetry Protocol | | Supported Camera Types |
|-----------------------|--|------------------------|
| TP ID | Protocol | TP ID |
| 1 | Overview - Dennard & CBC | 2,30,31,31 |
| 2 | Molynx / Videmech / Bewator via TTX309 | 3 |
| 3 | Molynx / Videmech / Bewator - direct RS485 | 3 |
| 6 | VCL/TP compatible RS485 | 8 |
| 7 | VCL Maxcom matrix RS485 / 232 | 8 |
| 20 | 360 Vision RS485 9600 | 20 |
| 40 | ForwardVision 485 2Wire | 40,41 |
| 41 | ForwardVision 422 4Wire | 40,41 |
| 51 | Pelco D 2400 | 9,51,52,53 |
| 52 | Pelco D 4800 | 9,51,52,53 |
| 53 | Pelco D 9600 | 9,51,52,53 |
| 55 | Pelco P 4800 | 9 |
| 56 | Pelco P 9600 | 9 |
| 60 | Vicon VPS 4800 | 60,61 |
| 80 | Panasonic 2400 | 80,81,82,83,84 |
| 81 | Panasonic 4800 | 80,81,82,83,85 |
| 82 | Panasonic 9600 | 80,81,82,83,86 |
| 83 | Panasonic 19200 | 80,81,82,83,87 |
| 101 | RS232 control of BBV TX1000 & TX1500 | 9 |