

Connector Recommendation for 4K2K030/60fps

Recommended Connectors for 4K2K Uncompressed Video Transmission by V-by-One® HS

Resolution	Format	Serial	Signal
4K2K30fps	RGB30bit Y/C32bit	V-by-One® HS	4-ch
4k2K60fps	Y/C : 16bit	New format	4-ch



Camera Internal Connections

- FFC/FPC
- Thin Wire Coaxial Cable

Pin	Name	Level
1	GND	
2	TX/RX0+	CML
3	TX/RX0-	CML
4	GND	
5	TX/RX1+	CML
6	TX/RX1-	CML
7	GND	
8	TX/RX2+	CML
9	TX/RX2-	CML
10	GND	
11	TX/RX3+	CML
12	TX/RX3-	CML
13	GND	
14	LOCKN/NC*	
15	Power	~12V DC
16	Power	~12V DC
17	Power	~12V DC
18	Power	~12V DC
19	Power	~12V DC
20	GND	
21	TxD/SCL	5VCMOS/I2C
22	RxD/SDA	5VCMOS/I2C
23	RESET	
24	GND	

*THine original format

Camera/DVR Connections

- SDR26 (20 Pins for Cable)
- 3M 1SF26-L120-00C and etc

Pin	Name	Level	Cable
2	TX/RX0+	CML	TWINAX1
15	TX/RX0-	CML	
3	NC		
16	NC		
4	TX/RX1+	CML	TWINAX2
17	TX/RX1-	CML	
5	NC		
18	NC		
6	TX/RX2+	CML	TWINAX3
19	TX/RX2-	CML	
7	NC		
20	NC		
8	TX/RX3+	CML	TWINAX4
21	TX/RX3-	CML	
9	Power	~12V DC	12V / 4.0A
22	Power	~12V DC	
10	Power	~12V DC	
23	Power	~12V DC	
11	LOCKN/NC*		TWINAX5
24	NC		
12	TxD	5VCMOS	TWINAX6
25	RxD	5VCMOS	
1	Inner Shield		Drain Wire
14	Inner Shield		
13	Inner Shield		
26	Inner Shield		