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Connector Pinout
SPC-7000

Sep 21 2010, Bernie

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Left 1

[COM OUT, Local/Rig]
10 PIN Lemo, size 1B
(top left)

Use to connect to Rig, or a loop-through to additional SPC-7000

Pin: Function:

1 +12V Raw to SPC from RIG, fused at 1.35A
2 Ground Common to/from SPC

3 RS-422 RA+ to SPC from Rig (Status Stream)
4 RS-422 RB- to SPC from Rig (Status Stream)
5 RS-422 TA+ from SPC to Rig (Control Stream)
6 RS-422 TB- from SPC to Rig (Control Stream)

7 RS-232 RxD to SPC (unused)
8 RS-232 TxD from SPC (unused)

9 +12V Raw to SPC from RIG, fused at 1.35A
10 Ground Common to/from SPC

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Left 2

[ANALOG 1, Iris 1/R/M]
12 PIN Hirose Male
(2nd from top left)

Use to connect to "Lens" connector of Camera Body (Right Eye)

Pin: Function:

1 "RET" switch from SPC
2 "VTR" switch from SPC
3 Ground Common to/from SPC
4 Auto Servo to SPC
5 Analog Iris Control to SPC (Right Eye)
6 Unreg (unused)
7 Analog Iris Position from SPC (Right Eye)
8 Auto/Manual (unused)
9 Extender (unused)
10 Analog Zoom position (unused)
11 Analog Focus position (unused)
12 Lens Tx (unused)

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[ANALOG 2, Iris 2/L/S]

12 PIN Hirose Male

(3rd from top left)

Optionally, use to connect to "Lens" connector of Camera Body (Left Eye)

Pin: Function:

- 1 "RET" switch from SPC (unused)
- 2 "VTR" switch from SPC (unused)
- 3 Ground Common to/from SPC
- 4 Auto Servo to SPC (unused)
- 5 Analog Iris Control to SPC (Left Eye)
- 6 Unreg (unused)
- 7 Analog Iris Position from SPC (Left Eye)
- 8 Auto/Manual (unused)
- 9 Extender (unused)
- 10 Analog Zoom position (unused)
- 11 Analog Focus position (unused)
- 12 Lens Tx (unused)

[ANALOG 3, R/C (F)]

3 PIN Lemo, size 1B

(4th from top left)

Use to connect a Prestom R/C, sometimes used for Focus

Pin: Function:

- 1 +5.0V Ref from SPC
- 2 Analog Wiper Position
- 3 Ground Common to/from SPC

[ANALOG 4, B/C Focus]

12 PIN Hirose Female

(bottom left)

Use to connect an analog Fujinon B/C Focus

Pin: Function:

- 1 +12V Raw from SPC, fused at 900mA to B/C Focus
- 2 Ground Common to/from SPC
- 3 7.5V Ref from SPC
- 4 5.0V Ref from SPC
- 5 2.5V Ref from SPC
- 6 Detect to SPC
- 7 Focus Analog from B/C Focus
- 8 RS-485B (unused)
- 9 RS-485A (unused)
- 10 (unused)
- 11 (unused)
- 12 (unused)

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[COM IN, Remote/SIP]

**10 PIN Lemo, size 1B
(top right)**

Use to connect a SIP or a loop-through to additional SPC-7000

Pin: Function:

- 1 +12V Raw from SPC, fused at 900mA (if required to power external device)
- 2 Ground Common to/from SPC

- 3 RS-422 TA+ from SPC (typically Metadata)
- 4 RS-422 TB- from SPC (typically Metadata)
- 5 RS-422 RA+ to SPC (3ality protocols)
- 6 RS-422 RB- to SPC (3ality protocols)

- 7 RS-232 TxD from SPC (to SIP)
- 8 RS-232 RxD to SPC (from SIP)

- 9 +12V Raw from SPC, fused at 900mA (if required to power external device)
- 10 Ground Common to/from SPC

[DIGITAL-1, F|Z]

**8 PIN Lemo, size 1B
(2nd from top right)**

Use to connect a Preston PPA(HU3), or Preston HU2(FIZ2), or Canon Digital Focus/Zoom

Pin: Function:

- 1 +12V Raw from SPC, fused at 900mA (if required to power external device)
- 2 Ground Common to/from SPC

- 3 RS-232 RxD to SPC (unused)
- 4 RS-232 TxD from SPC (unused)

- 5 RS-422 TB- from SPC (Metadata)
- 6 RS-422 TA+ from SPC (Metadata)
- 7 RS-422 RB- to SPC (FIZ2 protocol)
- 8 RS-422 RA+ to SPC (FIZ2 protocol)

[DIGITAL-2, F|Z]

**8 PIN Lemo, size 1B
(3rd from top right)**

Use to connect a Preston PPA(HU3), or Preston HU2(FIZ2), or Canon Digital Focus/Zoom

Pin: Function:

- 1 +12V Raw from SPC, fused at 900mA (if required to power external device)
 - 2 Ground Common to/from SPC

 - 3 RS-232 RxD to SPC (unused)
 - 4 RS-232 TxD from SPC (unused)

 - 5 RS-422 TB- from SPC (Metadata)
 - 6 RS-422 TA+ from SPC (Metadata)
 - 7 RS-422 RB- to SPC (FIZ2 protocol)
 - 8 RS-422 RA+ to SPC (FIZ2 protocol)
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[ANALOG 6, DMF]

**6 PIN Lemo, size 1B
 (4th from top right)**

Use to connect a Preston DMF

- Pin: Function:
- 1 +12V Raw from SPC, fused at 900mA to Preston DMF
 - 2 Ground Common to/from SPC
 - 3 Run On/Off from DMF
 - 4 Run Mom from DMF
 - 5 5V Ref to DMF
 - 6 Zoom Analog from DMF

[ANALOG 5, B/C Zoom]

**12 PIN Hirose Female
 (bottom right)**

Use to connect an analog Fujinon B/C Zoom

- Pin: Function:
- 1 +12V Raw from SPC, fused at 900mA to B/C Zoom
 - 2 Ground Common to/from SPC
 - 3 7.5V Ref from SPC
 - 4 5.0V Ref from SPC
 - 5 2.5V Ref from SPC
 - 6 Detect to SPC
 - 7 Zoom Analog from B/C Zoom
 - 8 RS-485B (unused)
 - 9 "VTR" button from B/C Zoom
 - 10 "VTR" Common from B/C Zoom (Ground)
 - 11 "RET" button from B/C Zoom
 - 12 "RET" Common from B/C Zoom (Ground)
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