



Miro® JBox 2.0

RUGGED CONNECTION HUB

Operates with Miro and VEOs
Designed for multiple configurations
Small, Light, and Rugged

FEATURES & BENEFITS

Flexible and Modular

- The Miro Junction Box (JBox) 2.0 supports numerous combinations of Miro C, Legacy Miro, and VEOs to accommodate a wide range of scenarios, giving unmatched flexibility in managing a wide selection of popular Phantom cameras. Choose from the tiny N5 to the rugged 1 and 2 Mpx Miro Cs to the full range of compact VEOs, including the 1 Mpx, 4 Mpx, and even high resolution 9 Mpx VEOs
- Multiple control options add flexibility. Either trigger through the BNC, the Ethernet port, or the System cable
- For scenarios that require more views, multiple JBoxes can be linked together

Rugged and Practical

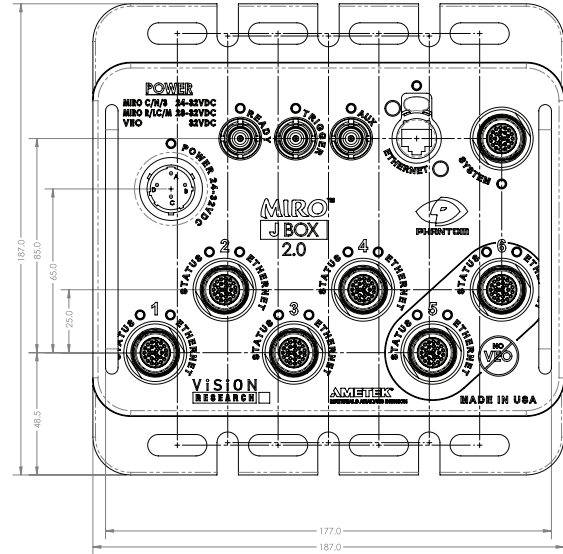
- The JBox 2.0 weighs just 2 lb (.9kg) but tested to 170G shock, perfect for harsh applications such as on-board safety testing and ballistics testing where camera control and data transfer need to be reliable and cohesive
- Manages up to 6 cameras at once and many more when linked
- Choose the Power supply needed for the application, keeping weight and cost down

CONNECTIVITY & SIGNALS

Ethernet	Gb Ethernet
Timecode	IRIG In & Out, Modulated & Unmodulated based on camera
Port Descriptions <i>Fischer 27-pin System Port:</i>	Input to JBox: Ethernet control, Trigger, IRIG In, Strobe, Event, Memgate, external FSYNC. Output from JBox: Data via Ethernet, IRIG Out, Strobe, READY Out, FSYNC Same pinout as Camera port
<i>Fischer 27-pin Camera Port:</i>	Input from JBox to camera: Ethernet control, Trigger, IRIG In, Strobe, Event, Memgate, external FSYNC Output from camera to JBox: Data via Ethernet, IRIG Out, Strobe, READY Out, FSYNC. Same pinout as Camera port
<i>BNC:</i>	BNC for Ready signal. BNC for Trigger. BNC for Aux Input to JBox: Event / Memgate / Fsync Output from JBox: Strobe / Fsync.
<i>Amphenol 4-pin:</i>	Power
Hardware Trigger	Trigger BNC or System port
Software Trigger	via PCC over Ethernet; via Image Based Auto trigger (IBAT)
Synchronization	External Sync via FSync or IRIG Timecode

MECHANICAL

Size	7.36 x 7.36 x 2.1" (187 x 187 x 53 mm)
Weight	2.0lb, 0.9kg
Mounting Points	8 x 8.5mm diameter mounting slots



RECOMMENDED AC POWER (30M cable length)

Option	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Power Req.
1	Miro C	Miro C	Miro C	Miro C	Miro C	Miro C	280W
2	Miro R	Miro C	Miro C	Miro C	Miro C	Miro C	280W
3	Miro R	Miro R	Miro C	Miro C	Miro C	Miro C	280W
4	Miro R	Miro R	Miro R	Miro C	Miro C	Miro C	280W
5	Miro R	Miro R	Miro R	Miro R	Miro C	Miro C	280W
6	Miro R	Miro R	Miro R	Miro R	Miro R		280W
7	Miro R	Miro R	Miro R	Miro R	Miro R	Miro R	320W, 32V
8	VEO S	Miro C	Miro C	Miro C	Miro C	Miro C	320W, 32V
9	VEO S	VEO S	Miro C	Miro C	Miro C	Miro C	320W, 32V
10	VEO S	VEO S	VEO 4K	Miro C	Miro C	Miro C	320W, 32V
11	VEO S	VEO S	VEO S	VEO S			320W, 32V
12	VEO S	VEO S	VEO 4K	VEO 4K			320W, 32V
13	VEO S	Miro R	Miro R	Miro R	Miro R	Miro R	480W
14	VEO S	VEO S	Miro R	Miro R	Miro R	Miro R	480W
15	VEO S	VEO S	VEO S	Miro R	Miro R	Miro R	480W
16	VEO S	VEO S	VEO 4K	VEO 4K	Miro R	Miro R	480W
17	VEO S	VEO S	VEO 4K	VEO 4K	Miro C	Miro C	480W

Voltage Range: 20 - 36VDC

ENVIRONMENTAL

Operating Temperature	0–50°C
Storage Temperature	-20–70°C
Operational Shock	170G Sawtooth wave, 6ms, +/- 10 pulses all axes
Operational Vibration	24 Grms IAW MIL-STD-202G Method 214-A.; Figure 2A-1, Test Condition D, 15 min per axis
Regulatory	Made in the USA CE Emissions – CE Compliant EN 61326-1 CE Immunity – CE Compliant EN 61326-1 FCC – CFR 47, Part 15, Subpart B & ICES-0003, Class A Safety - IEC 60950-1

GLOBAL SUPPORT NETWORK

The Phantom JBox 2.0 is supported by Vision Research's Global Service and Support network, offering PhantomCare Performance Services from multiple sites around the globe. Maximize the value of your Phantom camera with a selection of professional services from which to choose.

Learn more about our service offering at www.phantomhighspeed.com/Support

ABOUT VISION RESEARCH

Focused. Since 1950, Vision Research has been designing, and manufacturing high-speed cameras. Our single focus is to invent, build, and support the most advanced cameras possible.

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