

ev6-FR, ev3-FR, ev1-FR

Processing Multiframes






When applications for routing, high performance productions or high density processing are required, Evertz offers our EV line of multi-card frames, informed by the success of our award-winning 7000 Series multiframes. The EV series was developed to allow cards with significantly larger individual size and power consumption to be matched in a multipurpose frame; all cards in this series occupy the full vertical height of the 6RU frame, and are installed horizontally in the 3RU and 1RU variations.

Cards can be mixed and matched within each frame to build complex signal

processing chains. Products offered include video routing and audio routing, master control, IP media gateways, IP routing and bulk processing.

Additionally, all frames offer hot-swappable redundant power supplies that allow for power supply and fan replacement without compromising the integrity of critical signal paths, nor the true remote monitoring of all modules and signals within the chassis from VistaLINK® PRO (via the frame controller). This configuration provides the SNMP network communication interface from the VistaLINK® PRO Network Management Software to the chassis over the local or wide area network.

			
	ev6-FR	ev3-FR	ev1-FR
Size	6RU, standard rack mountable, 19" wide	3RU, standard rack mountable, 19" wide	1RU, standard rack mountable, 19" wide
Capacity	Up to 15x single-slot modules in any combination	Up to 5x single-slot modules in any combination	Up to 2x single-slot modules in any combination
Control	<ul style="list-style-type: none"> • True SNMP • VistaLINK® PRO via ev6-FC • Optional controller redundancy 	<ul style="list-style-type: none"> • True SNMP • VistaLINK® PRO via ev3-FC • Optional controller redundancy 	<ul style="list-style-type: none"> • True SNMP • VistaLINK® PRO via ev1-FC
Air Flow Cooling	Front-to-rear exhaust, front and rear mounted fans	Front-to-side exhaust	Front-to-side exhaust
Power	Up to 1,200W — 70W of power per slot	Up to 750W — 120W of power per slot	Up to 250W — 120W of power per slot
Frame Noise	74dBA @ 3ft	65dBA @ 3ft	53dBA @ 3ft

Specifications

Switching Reference:

Reference Inputs: 2x BNC, analog 525/625/tri-level HD
Reference Timing: Two independent timing planes, programmable per output

Signal Level: 1V p-p ± 3dB
Impedance: 75Ω terminating
Connectors: BNC per IEC 61169-8 Annex A

Electrical:

ev6-FR:

AC Mains Input: 240VAC, 50/60Hz
Max Operating Current: 6.0A (@ 220VAC nominal)
Max Power Consumption: 1,200W
Max Module Load: 1050W (70W per slot)
Power Supply Configuration: 1 supply standard, optional redundant supply requires separate inlet
Connector: IEC 60320 — 1 per power supply

ev3-FR:

AC Mains Input: Auto-ranging, 100-240VAC, 50/60Hz

Max Operating Current:

8.0A (@ 100V/60Hz),
3.2A (@ 240V/50Hz)

Max Power Consumption:

750W
Max Module Load: 600W (120W per slot)

Power Supply Configuration:

2 supplies standard, optional redundant supply requires separate inlet
Connector: IEC 60320 — 1 per power supply

ev1-FR:

AC Mains Input: Auto-ranging, 100-240VAC, 50/60Hz
Max Operating Current: 8.0A (@ 100V/60Hz), 3.0A (@ 240V/50Hz)
Max Power Consumption: 250W
Max Module Load: 240W (120W per slot)
Power Supply Configuration: 1 supply standard, optional redundant supply requires separate inlet
Connector: IEC 60320 — 1 per power supply

Physical:

ev6-FR:

Dimensions: 10.5" H x 19" W x 15.75" D (266mm H x 483mm W x 400mm D)
Module Capacity: 15x single-slot EV series modules
Weight: Approx. 34.8lbs (15.8kg) with 2 power supplies, no slots occupied
Approx. 64.0lbs (29.0kg) with 2 power supplies, all slots occupied

ev3-FR:

Dimensions: 5.25" H x 19" W x 15.75" D (133mm H x 483mm W x 400mm D)
Module Capacity: 5x single-slot EV series modules
Weight: Approx. 17.4lbs (7.9kg) with 3 power supplies, no slots occupied
Approx. 32.0lbs (14.5kg) with 3 power supplies, all slots occupied

ev1-FR:

Dimensions: 1.75" H x 19" W x 18.75" D (45mm H x 483mm W x 477mm D)
Module Capacity: 2x single-slot EV series modules
Weight: Approx. 15.0lbs (6.8kg) with 2 power supplies, no slots occupied
Approx. 22.0lbs (10.0kg) with 2 power supplies, all slots occupied

Ordering Information

ev6-FR	6RU processing multiframe, holds up to 15x single-slot modules
ev3-FR	3RU processing multiframe, holds up to 5x single-slot modules
ev1-FR	1RU processing multiframe, holds up to 2x single-slot modules

Ordering Options:

ev6-FC	ev6 frame controller
ev3-FC	ev3 frame controller
ev1-FC	ev1 frame controller
+6PS	Redundant power supply for ev6-FR
+3PS	Redundant power supply for ev3-FR
+PS	Redundant power supply for ev1-FR