

# CeleroDrive (CEL X1)

Professional PTZ Camera Controller



## DESCRIPTION

The Aniston CeleroDrive (CEL X1) is a professional PTZ controller designed for intuitive, reliable, and precise operation of cameras across conferencing, broadcasting, and AV production environments.

Equipped with a 4D precision joystick, 3D ergonomic knobs, and backlit silicone buttons, it enables smooth control of pan, tilt, zoom, focus, exposure, and white balance. The built-in 3-inch color LCD display provides real-time camera status and monitoring, while HDMI output supports large screen previews for multi-camera operations.

With support for up to 1000 cameras, 255 presets, and 7 customizable camera shortcuts, the CeleroDrive ensures fast switching and efficient workflow management. Its multi-protocol compatibility (VISCA, Pelco-D/P, ONVIF, NDI®|HX2) combined with PoE support and multiple interfaces (RS232, RS422/485, RJ45 LAN, HDMI) makes it ideal for AV integrators and enterprise users.

The CEL X1 combines enterprise-grade precision, ergonomic design, and scalable control, making it the perfect PTZ management hub for boardrooms, lecture halls, houses of worship, and live event venues.

## FEATURES

- **4D Precision Joystick Control**

Smooth, responsive joystick enables precise control of pan, tilt, zoom, and focus, giving operators professional-grade handling across live events, conferences, and broadcast environments.

- **3D Ergonomic Knobs for Quick Adjustments**

Dedicated 3D knobs allow instant adjustment of exposure, gain, iris, and white balance, ensuring rapid fine-tuning without navigating complex menus.

- **Built-in 3" Color LCD Screen**

Integrated display provides real-time camera status, menu navigation, and monitoring, helping operators manage multiple cameras with confidence.

- **HDMI Output for Large Screen Monitoring**

Direct HDMI 4K@30fps output supports real-time preview on external displays, ideal for multi-camera setups and production workflows.

- **Multi-Camera Control with Presets**

Supports up to 1000 cameras and 255 preset positions, with 7 customizable shortcuts for quick switching between cameras in dynamic environments.

- **Backlit Professional Silicone Buttons**

Durable, tactile keys with white/red dual-color backlight ensure reliable operation even in low-light studios, auditoriums, or control rooms.

- **Protocol Versatility for Seamless Integration**

Compatible with VISCA, Pelco-D, Pelco-P, ONVIF, and NDI®|HX2 (optional), making it suitable for enterprise AV systems, broadcast studios, and hybrid installations.

- **PoE & Multiple Connectivity Options**

Equipped with RS232, RS422/485, RJ45 LAN (PoE), and HDMI, reducing cabling complexity while providing scalable integration across AV networks.

- **Customizable Function Buttons**

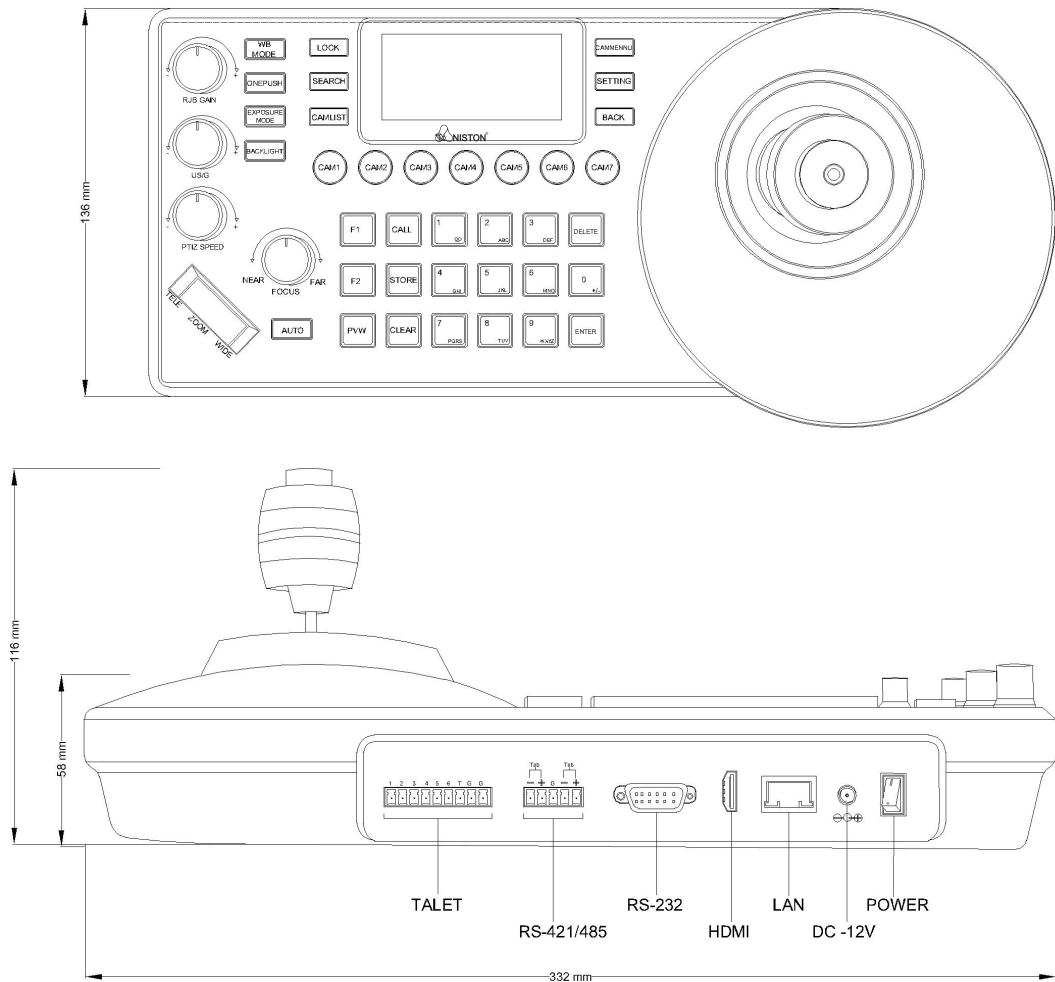
Assignable F1, F2, and PVW buttons give operators flexibility to personalize workflow controls for fast, efficient operation.



**TECHNICAL SPECIFICATIONS**

Model	CeleroDrive
Model Number	CEL X1
Joystick	4D precision joystick
Knobs	3D knobs for mode selection & parameter adjustment
Buttons	High-quality silicone, white/red dual backlight
Shortcut Buttons	>7 x programmable camera shortcut buttons
Custom Buttons	3 x customizable (F1, F2, PVW)
Button Lock	One-key lock supported
Max. Camera Control	Up to 1000 cameras
Preset Positions	255 presets
LCD Screen	3" color LCD display
HDMI Output	1 x HDMI (4K@30fps)
Control Interfaces	RJ45 (PoE), RS232, RS422/485
Protocols Supported	VISCA / VISCA over IP / VISCA TCP / Pelco-D / Pelco-P / ONVIF / NDI® (optional)
Tally Support	Up to 7 channels
Power Input	DC 12V / PoE (802.3af)
Power Consumption	Max 3W
Input Current	0.25A
Operating Voltage	12V DC
Operating Environment	Indoor
Operating Temperature	-10°C ~ +40°C°
Storage Temperature	-20°C ~ +60°C
Dimensions (W×D×H, w/o Joystick)	332 x 136 x 58 mm
Dimensions (W×D×H, with Joystick)	332 x 136 x 116 mm
Weight	~0.8 kg
Enclosure	Industrial-grade ABS chassis°
Display Output	HDMI (real-time preview)
Network Interface	RJ45 10/100 Ethernet (PoE enabled)
Serial Interfaces	RS232 IN/OUT, RS422/485
Audio	Beep feedback with adjustable styles
OSD Menu	Supported via LCD screen
Firmware Updates	Upgradeable via USB/Web interface
Camera Compatibility	PTZ cameras supporting VISCA, Pelco, ONVIF, NDI
Status Indicators	Multi-color LED for network/power
Multi-Camera Switching	One-touch switching between cameras
Preset Recall	Direct recall of stored PTZ positions
Exposure/Focus Control	Manual and auto control supported
White Balance	Auto/Manual adjustment via dedicated knob

Zoom Control	Joystick zoom + knob zoom precision
Security	Password-protected web interface
Application Scope	Boardrooms, Classrooms, Auditoriums, Broadcast studios
Included Accessories	Controller unit, RS232 cable, Power adapter, User manual
Compliance	CE, FCC, RoHS certified
Limited Warranty	3 years (optional extension to 5 years)

**PRODUCT DIMENSION**


**HQ Asia**  
 asia@anistonav.com  
[anistonav.com](http://anistonav.com)

**Europe**  
 europe@anistonav.com  
[anistonav.com/europe](http://anistonav.com/europe)



**United States**  
 unitedstates@anistonav.com  
[anistonav.com/us/](http://anistonav.com/us/)

**Middle East**  
 uae@anistonav.com  
[anistonav.com/uae](http://anistonav.com/uae)

**ANISTON TECHNOLOGIES LLP**

[anistonav.com](http://anistonav.com)

E-mail: [info@anistonav.com](mailto:info@anistonav.com)

All information copyright Aniston Technologies LLP, 2024. Aniston Technologies LLP reserves the right to change this document without notice.