Concept ◇ Pro

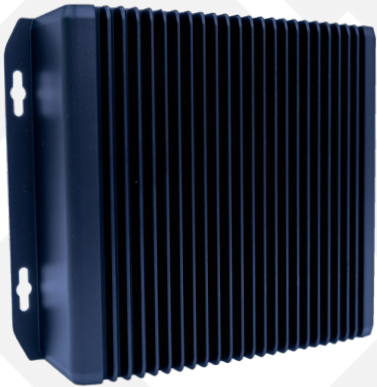**8 Channels** · **Easy Setup** · **NDAA Compliant** · **Multi-level AI**
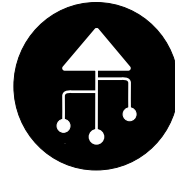
CP-AIBRIDGE-ENT

Concept Pro AI Bridge Enterprise

The CP-AIBRIDGE-ENT model provides the next generation AI video analytics. Designed to be installed on existing sites, it can accept up to 8 channels of video from existing IP cameras or video recorders via RTSP/ONVIF. It includes an enhanced suite of powerful AI packages that are ideal for solving complex commercial challenges, and it also supports optional algorithms to meet other user needs. The device has a powerful connection interface for linkage to existing alarm, serial, Wiegand, and CAN equipment, providing a powerful solution for false alarm filtering and event linkage.

Powerful, Accurate AI Video Analytics

All AI algorithms are completely re-designed to be more accurate than ever before. Algorithms can be run in a careful, conservative detection mode for more refined results with fewer false alarms or an aggressive, faster detection mode for more immediate event notification. There are better static object filter technologies and object size filters available to ensure only desired objects are tracked and trigger events. Additionally, some algorithms employ skeleton-based posture trackers to detect which direction a person is facing and how they are positioned.

Multiple Algorithms on a Single Channel

The CP-AIBRIDGE device has a maximum limit of AI computing resources, but users are now free to combine multiple algorithms on a single channel to fit their specific use-case. For example, users can run human detection at the same time as illegal parking detection on the same video stream.

Powerful Cloud Platform for Management & Monitoring

An optional cloud platform subscription provides a cloud management platform for checking if devices are online and managing licences. In addition, a cloud alarm app provides an event monitoring platform with events listed together with snapshots, Telegram integration for SMS alerts, and data visualisation with reports (e.g., alarm types over time, monthly visitor report). This allows organisations with multiple devices and sites to easily manage and self-monitor.

KEY FEATURES

- Up to 8 channels of AI analysis
- Multiple AI packages supported for a single channel
- Up to 37 AI package options to suit multiple use cases
- Intuitive, easy rule setup and operation
- Multi-level AI-based false alarm reduction
- High-performance pose estimation technology
- Accurate event detection through scene understanding
- Numerous integration options
- Combine rules with other events
- NDAA-compliant

OTHER FEATURES

- Alarm Arm/Disarm
- x4/x4 Alarm Interface
- RS-485, RS-232, and CAN Serial Interface
- Wiegand Interface
- Hardened housing design
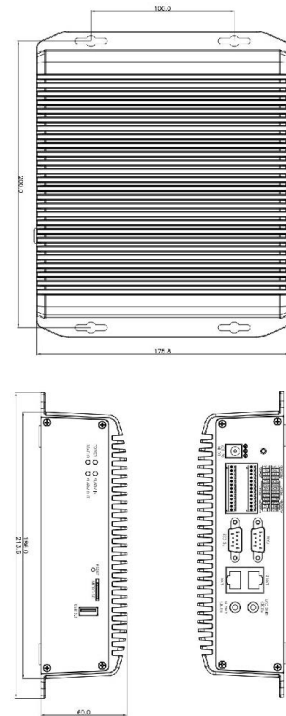
VISIT THE CONCEPT PRO

WEBSITE

CP-AIBRIDGE-ENT

Concept Pro AI Bridge Enterprise

SPECIFICATION

Model/Feature		CP-AIBRIDGE-ENT
Event Actions	AI Events	See table below for list of included and optional AI packages for each operation mode
	System Events	Tamper Detection, Alarm Input, Virtual Alarm Input, Video Loss/Recovery, System Disarmed, Recurrence, Login, System Start
	Action Handlers	HTTP, TCP, FTP, E-mail Notification, S3, VMS, ONVIF, Audio Back Channel (Camera Speaker)
	Combine Rules with Other Events	Supported
	Pre/Post Event Snapshot	Supported
	Annotated Video Stream	Supported
Video	Max. Video Input Resolution	8 Channel Mode: 60FPS@8MP (240FPS@2MP)
	Video Input Method	RTSP, RTSP over HTTP(S), ONVIF
	Supported Input Video Format	H.265, H.264
	Video Output Streaming Method	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP(S)
Interface	Alarm	x4 Alarm In (D1 0-30V), x4 Alarm Relay Out (Up to 3A and 30VDC/250VAC)
	Audio	x1 Audio In (3.5mm), x1 Audio Out (3.5mm)
	USB	x1 USB 3.0
	RS-485	x1 RS-485 (Full-duplex 4line T/B)
	RS-232	x1 RS-232 (D-SUB9)
	Wiegand	x1 Wiegand In, x1 Wiegand Out
	CAN	x1 CAN
	Network	x2 RJ45 10/100/1000M Base-T Ethernet (ETH1/ETH2)
System	Security	Complex password requirement, user authentication, brute force rate limitation, IP filter, auto logout, encryption, factory default reset, TLS v. 1.2/1.3, block TLS v. 1.0/1.1, HTTPS
	Watchdog	Supported
	RTC	Supported
	Cooling Fan	No, fanless design with passive cooling
	Factory Reset Button	-
	LED Indicators	Power, Status, Alarm In, Alarm Out
	Power Supply	DC9-36V Supported; DC12V/3.3A adapter included
	Power Consumption	Max. 16W
	Operating Conditions	-30°C to +70°C, 10-90% NC
	Dimensions	213.6 x 175.8 x 60mm
	Weight	2.2kg Gross, 1.5kg Net
	Mount Type	Desk, Wall (integrated mounting bracket)
	Certification	CE, UKCA, FCC, KC
	NDAA-compliant	Yes

Supported AI Packages				
Type	**Package**	**CP-AIBRIDGE-PRO 8 Channel Mode**	**CP-AIBRIDGE-PRO 16 Channel Mode**	**CP-AIBRIDGE-ENT 8 Channel Mode**
Pre-Installed AI Packages	Intrusion Detection	✓	✓	✓
	Virtual Fence	✓	✓	✓
	Loitering Person	✓	✓	✓
	Stopping Detection	✓	✓	✓
	People Counting	✓	✓	✓
	Vehicle Counting	✓	✓	✓
	Zone Counting	✓	✓	✓
	Stay & Go (Enter & Exit)	✓	✓	✓
	Occupancy Counting	✓	✓	✓
	Combined Counter	✓	✓	✓
	Combined Counter Trigger	✓	✓	✓
	Dynamic Privacy Mask	✓	–	✓
	Basic Attributes (Clothing Colour)	✓	–	✓
	Queue Management	✓	–	✓
	Basic Heatmap	✓	–	✓
	Crowd Detection	–	–	✓
	Advanced Visitor Analysis	–	–	✓
	Hand & Foot Intrusion	–	–	✓
	Intentional Body Gaze Detector	–	–	✓
	Imminent Threat	–	–	✓
	Fallen Person Detection	–	–	✓
	Animal Detection	–	–	✓
	Fire & Smoke Detection	–	–	✓
	Vehicle Type Counting	–	–	✓
	Thermal Intrusion Detection	–	–	✓
	Drone View	–	–	✓
	Fisheye Camera Support	–	–	✓
	Corridor Mode Support	–	–	✓
	Advanced Attributes		–	✓
Optional Packages (Additional liecences requred)	Licence Plate Recognition (Europe)	✓	–	✓
	Advanced Heatmap	✓	–	✓
	No PPE (Helmet/Safety Vest)	✓	–	✓
	Illegal Dumping	✓	–	✓
	Illegal Parking	✓	–	✓
	Violence Detection	✓	–	✓
	PTZ Tracking	✓	–	✓
	Human Prolonged Stay	✓	–	✓

DIMENSIONS