

9.5-INCH 360° AROUND VIEW CAMERA SYSTEM

AI-Powered Surround View & Collision Warning System for MHE and Construction Equipment

Forklifts, reach trucks and heavy construction equipment carry wide bodies, long axles and elevated driving positions that create serious visual blind spots. Liftronic's 360° Around View Camera System stitches four ultra-wide-angle cameras into a single panoramic bird's-eye view, layering in AI pedestrian and vehicle detection, blind-spot warnings and forward collision alerts — so operators see everything around the machine, in real time.

AVM MONITOR MODEL
LIFT-10D10HUHG

PANORAMIC CAMERA MODEL
LIFT-802Z

Key Features

- 360° panoramic surround view stitched from a 4-channel AHD panoramic camera array
- Built-in AI vision algorithm for pedestrian and vehicle detection
- 4-channel Blind Spot Detection (BSD) and Forward Collision Warning (FCW) with distance measurement
- 2D/3D free switching across 3D, four-screen and multiple 3D display modes
- 9.5-inch capacitive touchscreen, IP65-rated aluminum alloy housing
- 1080P H.265 recording with local independent playback
- Optional radar, CAN bus and audio-visual alarm modules for Blind Spot Detection, Lane Change Assist and Parking Assist

AVM Monitor — Technical Specifications

Model: LIFT-10D10HUHG

Specification	Details
System Name	9.5-inch 360° Around View Camera for MHE and Construction Equipment
Operating System	LINUX
Operating Language	English, Korean, French
Operation Method	Buttons, Touch, Infrared
Touch Type	Capacitive Touch Screen
Brightness	600 Cd/m ² , automatically adjusts based on ambient light
Screen Ratio	Widescreen 16:9
Viewing Angle	85° / 85° / 85° / 85° (Left / Right / Up / Down)
Brightness Adjustment	Automatic based on ambient light (Daytime: 90%, Nighttime: 50%)
Image Modes	2D / 3D free switching
Screen Modes	3D mode / Four-screen mode / Multiple 3D screen modes
Video Input	4-channel AHD panoramic camera + 4-channel AHD camera
Speed Sensor	MCU-controlled; switches screen modes based on vehicle speed
AI Vision Warning Function	360° surround view system with built-in AI vision algorithm
BSD	4-channel Blind Spot Detection

Specification	Details
FWC	Built-in Forward Collision Warning with image distance measurement
Detection Targets	Pedestrians and non-motor vehicles + vehicle recognition
Smart Voice Playback	Customizable audio warning playback
Video Format	H.265
Recording Resolution	1080P
Video Recording Capacity	Supports 16GB–1TB TF cards (standard 64GB)
File Capacity	1.25GB per hour
Playback	Supports local independent playback
Operating Temperature	–20°C to +70°C
Storage Temperature	–40°C to +80°C
Vibration / Shock	GB/T 2423.56-2023 standard (random 5G vibration)
Housing Material	Aluminum alloy
Protection Level	IP65
Operating Voltage	DC 12–36V / 15–20W
Product Dimensions	L x W x H = 105 x 178 x 50 mm

Optional Modules

Module	Specification
Radar Warning — Detection Distance	2.5 meters
Radar Warning — Power Parameters	DC 12–33V / 0.2W
Radar Warning — Radar Functions	Blind Spot Detection (BSD) + Lane Change Assist (LCA) + Parking Assist
CAN Communication	High-speed CAN bus transceiver, compliant with ISO11898 standard, low power management (screen mode, AI alarm data output)
Audio-Visual Alarm	DC 12–36V / 3W, IP65 protection level, 16-level adjustable volume

Panoramic Camera — Technical Specifications

Model: LIFT-802Z

Specification	Details
Operating Voltage	DC 11–16V
Resolution	1080P
Operating Temperature	–20°C to +60°C
Storage Temperature	–30°C to +70°C
Video Frame Rate	25 FPS / 30 FPS
Waterproof Level	IP68

This product information is for reference only. Specifications are subject to change without notice — the actual product shall prevail. For quotations, installation support or fleet-wide deployment across your MHE and construction equipment, contact the Liftronic sales team.