

KORI:

MODULAR MOBILE PLATFORM FOR CAMERA-BASED APPLICATIONS

Kori™ is a robust platform designed for application and specification developers to quickly bring computer vision applications to market. Mobile and compact, it travels to wherever it's needed and fits in small spaces, making it ideal for medical, safety & security, retail and industrial settings. Kori comes with the MBX engineering services needed to integrate, test and verify your technology to ensure it operates at peak performance.

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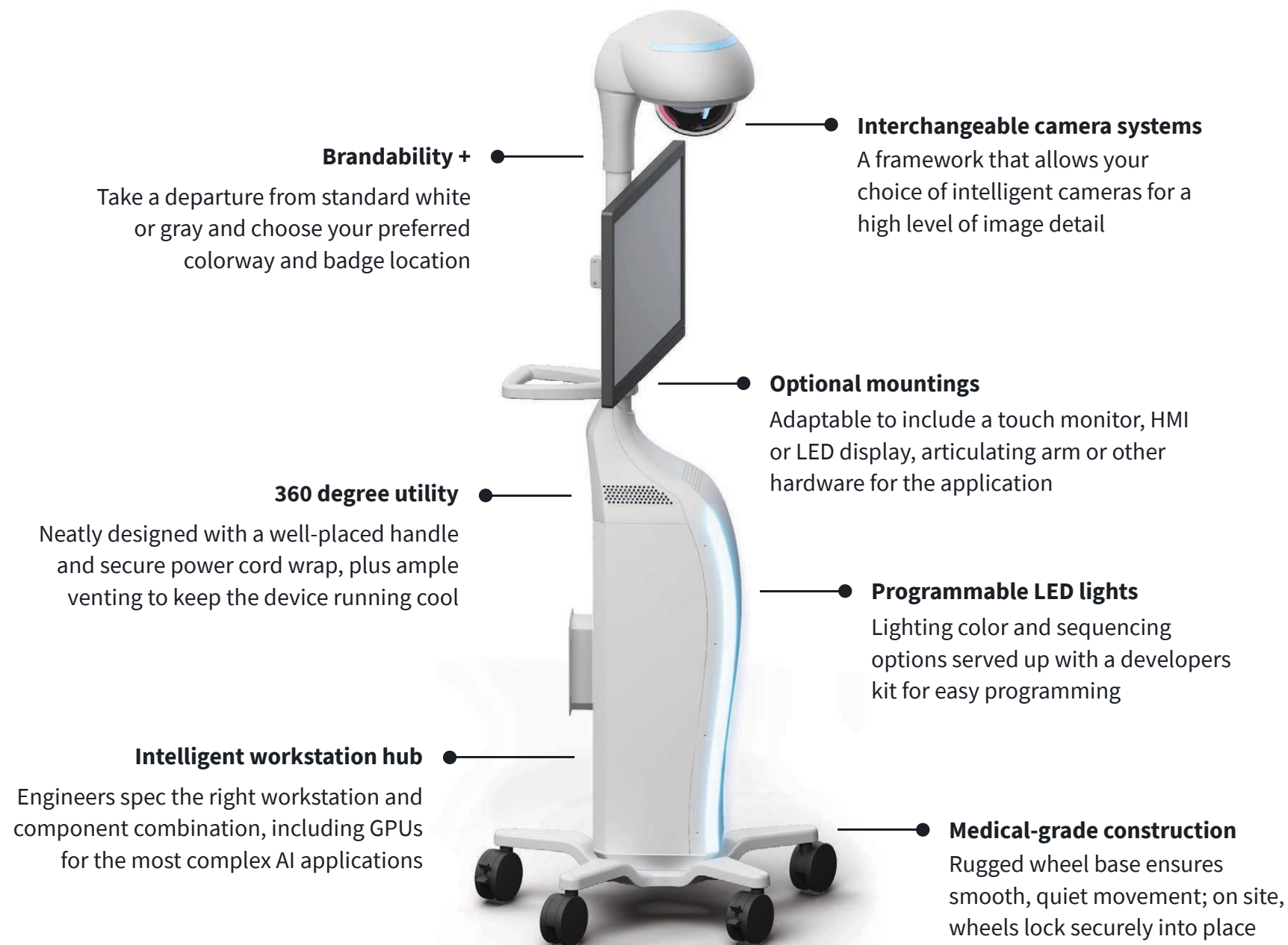


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OVERVIEW

STANDARD DIMENSION: 25" X 25" X 72"

WEIGHT: 100 lbs. base cart

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STANDARD FEATURES

- 2" standard pole for peripheral mounting
- Integrated PoE switch
- Two-way speakerphone with noise cancellation
- 5-point wheelbase
 - Non-marking locking 4" casters
 - Glides smoothly over small gaps and uneven surfaces
 - ESD grounding chain
- Washable air filter
- Accessible power system and removable computer for easy serviceability

CUSTOMIZABLE FEATURES

- VESA-Mounted Computer
 - Customizable for compute devices capable of VESA mount, such as Intel NUC or other small form factor measuring 8.5"h x 4"w x 8.5"d or less
 - Pre-certified and validated compute with AI options
 - Pre-Certified Advantech Embedded PC for long term availability
- Power
 - Three power options: 350VA UPS, 600VA UPS and medical-grade power strip
 - 15' Interchangeable Power cable with global options
 - Rear cord wrap
- Status Light
 - Individually programmable LED: Unit status (Power on/Setup/ Standby modes), System diagnostic, Camera in use, Alerts
 - Three distinct lighting locations on the body and head
 - Development kit for programmable lights is available
- Customizable IO Panel
 - External accessible rear ports: 4x USB + 1x Network RJ-45, button(s), etc.

OVERVIEW CNT'D

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PERIPHERAL OPTIONS

- Accommodates displays up to 27" widescreen or 32" ultra wide monitors
- Keyboard and mouse tray
- USB hub behind monitor for barcode scanner, etc.
- Cart handle for easy movement
- Customizable base with multiple colorways and brand logo

ENVIRONMENTAL

- Cart base complies with:
 - IEC 60601
 - IEC 61000-4-2
 - RoHS/Reach
- Safe to clean with bleach or alcohol base cleaners

PACKAGING OPTIONS

- Choice of wooden crate or pallet with corrugated sleeve

WARRANTY

- Standard 1-year warranty for mechanical components; 90-day warranty for electrical components
- Designed for simplified in-field serviceability
- Extended warranties available

POWER OPTIONS

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Standard Option	350VA UPS	600VA UPS
Medical Grade Power Strip	350VA (200W)	600VA (360W)
15ft Power Cord	120VAC 50/60Hz	120VAC 50/60Hz
4 Internal Outlets	Receptacles: (3) 5–15R, (2) IEC C13	Receptacles: (3) 5–15R, (2) IEC C13
10A 250V Replaceable Fuse	Surge Suppression: 300 joules	Surge Suppression: 300 joules
	Battery Type: Lithium Iron Phosphate (LiFePo4)	Battery Type: Lithium Iron Phosphate (LiFePo4)
	Battery: (8) LiFePO4 18650 cells, 2400mAh	Battery: (16) LiFePO4 18650 cells, 4400mAh
	Battery Runtime (est): 6 min at 100% load; 14 min at 50% load	Battery Runtime (est): 6 min at 100% load; 14 min at 50% load



COMPUTE OPTIONS

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Pre-certified and validated Dell workstation options

Dell Precision 3240 Compact	Dell OptiPlex Micro
i7-10700/16GB/P1000	i3-10100T/8GB memory, 256GB M.2
i9-10900/32GB/RTX 3000	i5-10500T/16GB, 256GB M.2
For AI-rich applications	i7-10700T/16GB, 256GB M.2
	i7-10700T/32GB w/vpro, 256GB M.2

Embedded options

VARION G1-PSF-JNX	VARION G1-PSF-JAGX
For AI-rich applications	For AI-rich applications
High performance while using less power than a full server	High performance while using less power than a full server
NVIDIA JetPack SDK	NVIDIA JetPack SDK
Supports cloud native applications	Supports cloud native applications
Inferencing on device	Inferencing on device
NVIDIA® Jetson™ Xavier NX embedded	NVIDIA® Jetson™ Xavier AGX embedded
Compact fanless design	Compact fanless design
Linux OS with board support package (BSP)	Bundles with Linux Ubuntu 18.04
Supports deep learning trained models	Support for a PCIe add-on card
Wide operating temperature range	Low power consumption



CAMERA OPTIONS

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AXIS M5525-E PTZ Network Camera	Hanwha XNP-6120H/VUS Outdoor Mini PTZ
Indoor and outdoor PTZ with 10x zoom in HDTV 1080p	1920x1080 Max Resolution
HDTV 1080p and 10x optical zoom	12X optical zoom (5.2 ~ 62.4mm) (54.58? ~ 5.30?)
Continuous 360° pan	Max. 60fps@all resolutions (H.265/H.264)
PoE Powered	PoE Powered
1920x1080 Max Resolution	H.265, H.264, MJPEG codec supported, multiple streaming
IP66, IK10	IP66, IK10
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG	



ADDITIONAL

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DETAILED FEATURES & OPTIONS

- Polycom Calisto 3200 USB A speakerphone with noise cancellation
- Netgear 5 port PoE Unmanaged switch PoE+ Gigabit switch with 55.5W PoE power budget
 - Up to 15.4W of power per port with PoE Auto Balance
 - 5x 1Gbps RJ-45 ports: CE Mark, FCC Part 15, Class B, IC Class B, RCM, VCCI, CB, CE LVD
- Monitors
 - Supports up to 27" wide screens or 32" ultra wide monitors
 - Medical grade and non-medical grade options
 - With and without touch screen
 - USB Hub behind monitor as option for barcode scanners or other uses
- LED Indicator lighting with developer kit
 - USB Controlled
 - Addressable LEDs
 - API page link
 - Windows and Linux compatible

ENGINEERING SERVICES/INTEGRATION SERVICES

- Customization
- Computer provisioning
 - Custom BIOS ROMs
 - Imaging
 - Configuration
- Mechanical design
- Functional testing
- Product branding

MAINTENANCE

- Cleaning instructions

THANK YOU

Disclaimer

MBX Systems' Kori Modular Mobile Platform is not intended as a medical device to cure, treat, mitigate or prevent any diseases.

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