

K9 FACIAL RECOGNITION



K9-i Reader



K9-v Verifier

OVERVIEW

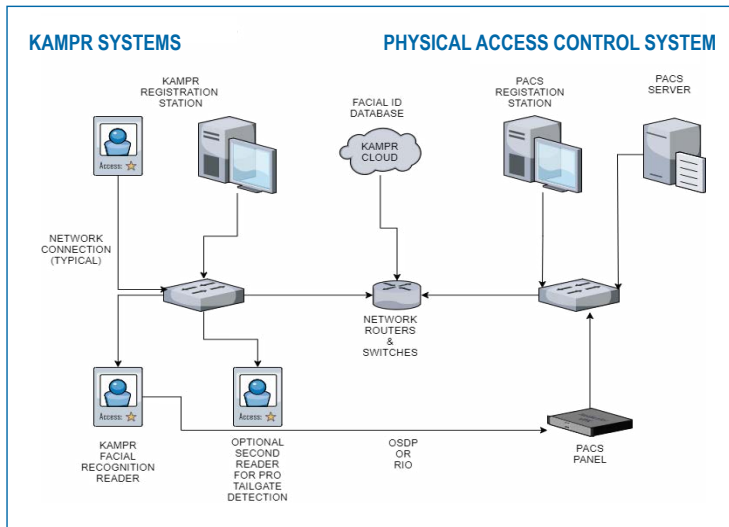
The **K9**, a state-of-the-art biometric reader, embodies Kampr Systems' vision of the access control reader of the future.

- » Solving Industry Problems Through Technology
 - » Badge-less 3D Facial Recognition Readers using Artificial Intelligence
 - » Ability to read multiple faces simultaneously
 - » Tailgate Detection (Basic or Professional)
- » Security by Design
 - » No Personally Identifiable Information (PII) retained
 - » Reverse Engineering Facial ID to PII impossible
 - » Encrypted Communications
- » Compatibility with Access Control Systems
 - » OSDP
 - » RIO
- » Upgradeable Devices Using Off-The-Shelf Hardware
 - » Intel Cameras / Edge Processing Units
 - » Kampr Systems Software Platform
 - » Upgradeable Software / Firmware via Kampr Systems Cloud

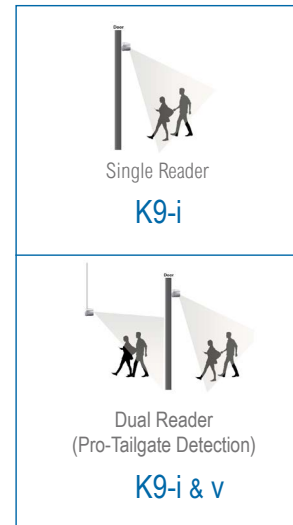
FEATURES & FUNCTIONALITY

- » K9-i Includes:
 - » Reader: a 3D Camera plus a 7" LCD Display
 - » Edge Processing Unit (EPU): A Computer with Hardware Accelerators
- » K9-v Includes:
 - » Reader: a 3D Camera
 - » Edge Processing Unit (EPU): A Computer with Hardware Accelerators
- » Facial Recognition:
 - » Reader can read multiple faces simultaneously
 - » Reader reads faces as they approach reader, accelerating throughput
- » Tailgate Detection:
 - » Reader includes basic tailgating features
 - » Professional Tailgate Detection (PTD) requires an optional second camera
 - » PTD annunciates breaches of 1 person per valid face and ensures that the person requesting entry at the reader is the same as the person that has gone through the door
- » Facial ID & PIN:
 - » Facial ID (FID) Acquisition – FID stored in Cloud or optionally on-premise
 - » Association of FID with a PIN(s) – PIN stored in Access Control system database (unique PIN numbers assigned during registration)
 - » No Badge Readers)
 - » Readers download FID database from Cloud and send PIN numbers to the access control system
- » Operation of Reader:
 - » Approach facing reader (You should be able to see yourself on the reader display)
 - » If you are recognized, reader will turn on the green LED light indicating acceptance to proceed through the door
 - » If a second interior camera is deployed, system verifies that the Facial ID of the person(s) that requested entry, matches the Facial ID of the person(s) that entered the space
 - » In case of a breach, the system can activate a local sounder and / or notify security via email
 - » System can archive photos of unrecognized persons trying to breach the system for a predetermined amount of time (configurable)
- » Operation During Power & Network Outages:
 - » Network Failure: A copy of the FID database is retained in the reader memory ensuring continued operation when network connectivity is lost. When network connectivity is restored, the database update sequence is initiated automatically
 - » Power Failure: Device power is derived from the network switch (POE+). Device can also be powered externally from an optional local low voltage power supply with battery back-up

INTERCONNECTION DIAGRAM



SYSTEM CONFIGURATION



Ordering Information:

KS-3500: K9 Facial Recognition Reader (includes camera, display and edge processing unit).

KS-3550: K9 Reader-Verifier (includes camera and edge processing unit).

KS-2000: Registration Station (Reader, edge processing unit and Software – minimum of 1 required per customer)

Specifications:

POWER:	POE+ (30 Watts), or 5VDC @ 6 Amps
VIDEO:	RGB-D (connectors: Camera - USB-C (20' Max from EPU), Display - HDMI)
NETWORK:	Ethernet 10/100/1000 Base-T or WIFI
COMPATIBILITY:	OSDP and RIO (Genetec)
GENERAL:	<p>Size: Reader: 5.9" x 8.7" x 1.4" (HxWxD) EPU: 6.1" x 7.5" x 8.5" (HxWxD)</p> <p>Weight: Reader: 1.4 lbs EPU: 3.25 lbs</p> <p>Operating Temperature: Reader: 32-104oF EPU: 32-104 oF</p> <p>Humidity: Reader: 0-80% RH, non-condensing EPU: 0-80% RH, non-condensing</p> <p>Rating: Indoor Only</p> <p>Enclosure: Reader: ABS plastic – Linen White EPU: ABS plastic - Beige</p>
MOUNTING:	Reader: 4S electrical back-box. Reader to EPU pre-terminated 20 foot long cables included Edge Processing Unit: Wall mount bracket included
PRODUCT LIFE CYCLE:	7 Years of Product Support
WARRANTY:	Hardware warranty by Intel
ACCESSORIES:	WIFI plug-in module PSU (120VAC to 5VDC, 6 Amp) Reader Mullion Mount Bracket Camera Ceiling Pendant Mount Reader Pedestal Mount

