



# KUDAH

GESTIONE REMOTA DISPOSITIVI MULTIMEDIALI

*REMOTE MULTIMEDIA DEVICES CONTROLLER*



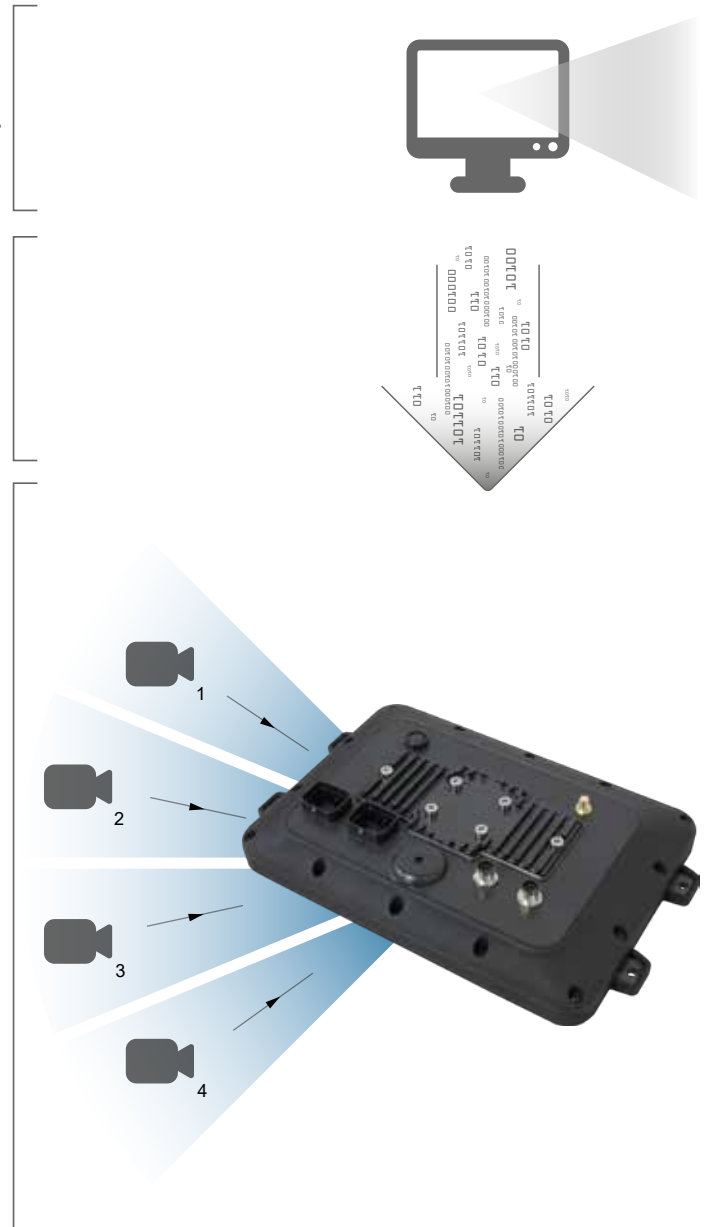
# KUDAH

## Gestione remota dispositivi multimediali / Remote multimedia devices controller

**1** Progetta il software e la tua interfaccia grafica con VT3  
*Design the software and your graphic interface with VT3*

**2** Carica il progetto del software e la tua interfaccia grafica sul dispositivo Kudah  
*Upload the software project and your graphic interface to the Kudah device*

**3** Connetti al Kudah fino a 4 telecamere e invia in remoto i contenuti grafici su più dispositivi di visualizzazione  
*Connect up to 4 cameras to Kudah and remotely send graphic contents to multiple display devices*



### FUNZIONI PRINCIPALI / MAIN FUNCTIONS



Interfaccia grafica disponibile su tablet / smartphone / PC remoti

*Graphic interface available on remote tablets / smartphones / PC*



Streaming delle 4 telecamere analogiche: 4 canali separati oppure unite in 1 canale

*The 4 analog cameras streaming: 4 dedicated channels or mixed in 1 channel*

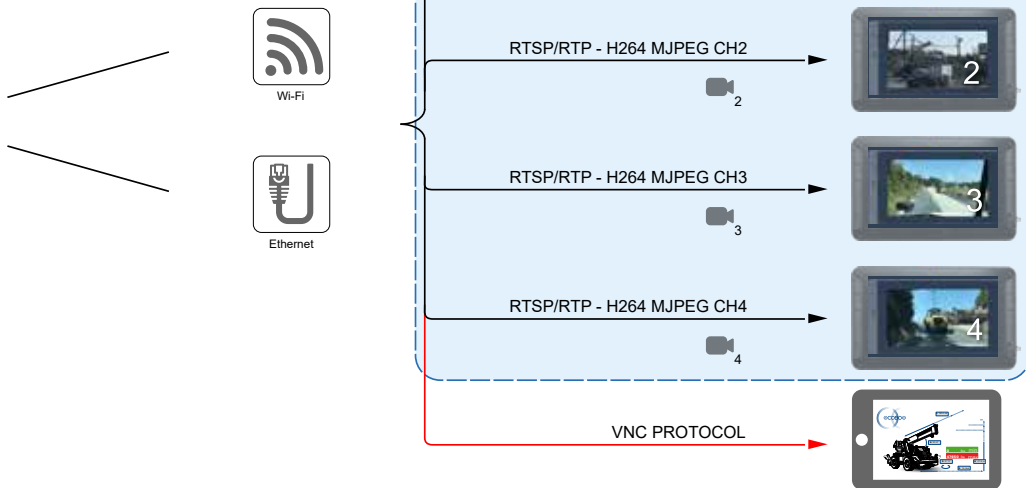


Massima flessibilità di connessione con i dispositivi multimediali del veicolo e dell'operatore

*Maximum connection flexibility with vehicle and operator multimedia devices*



VT3 Software di programmazione  
VT3 Software programming tool



CARATTERISTICHE PRINCIPALI / MAIN FEATURES



4 CAN + RS232 + Ethernet  
4 CAN + RS232 + Ethernet



Accelerometro + Gyro IMU  
Accelerometer + Gyro IMU



4 IN / 3 OUT + Audio IN / OUT  
4 IN / 3 OUT + Audio IN / OUT



Wi-Fi integrato  
Integrated Wi-Fi



Bluetooth Infotainment  
Bluetooth Infotainment



GPS + GLONASS ext. antenna  
GPS + GLONASS ext. antenna



4 ingressi telecamera  
4 camera input



2 USB  
2 USB

# KUDAH

## Gestione remota dispositivi multimediali / Remote multimedia devices controller

KUDAH è il controllore per la gestione remota dei dispositivi multimediali più avanzato nel mercato off-highway. Utilizza un processore di ultima generazione (NXP i.MX6™), che unisce le caratteristiche di connettività e multimedialità avanzata. I principali utilizzi sono:

- gateway, per la trasmissione streaming fino a 4 telecamere su Ethernet e Wi-Fi;
- gestione della grafica integrata che può essere inviata come streaming via IP, sfruttando il dispositivo come unità centrale di calcolo.

*KUDAH is the high end controller solution for remote multimedia devices controller off-highway market. Use a latest-generation processor (NXP i.MX6™), that joins high connectivity capabilities and strong multimedia. The main uses are:*

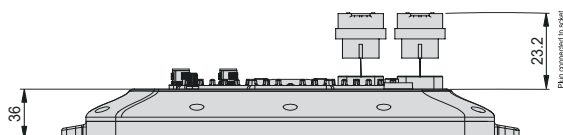
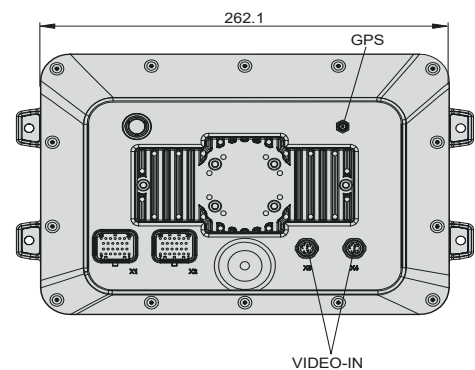
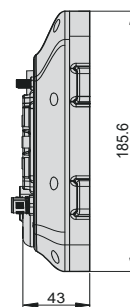
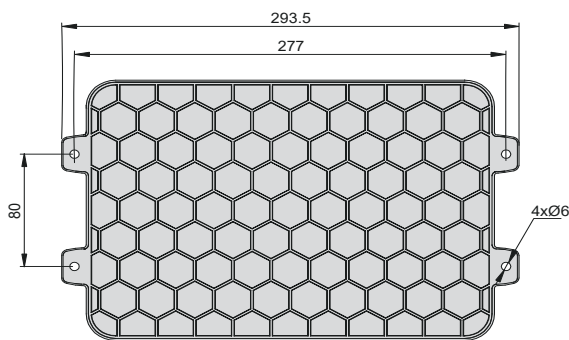
- *gateway, for streaming transmission up to 4 cameras on Ethernet and Wi-Fi;*
- *integrated graphics management that can be streamed via IP, using the device as central computing unit.*



**CAN J1939**



Codice ordinazione <i>Purchase code</i>	Descrizione <i>Description</i>	Fissaggio <i>Fixing</i>	Pkg Q.ty
<b>1088423</b>	KUDAH CONTROLLER	OUTDASH	1



### APPLICAZIONI

- Gru telescopiche o a traliccio di grandi dimensioni
- Gru portuali
- Compattatori e macchine municipali
- Macchine da fondazione e scavo
- Macchine agricole
- Mezzi anti-incendio

### APPLICATIONS

- High size telescopic or lattice boom cranes
- Harbor cranes
- Compactors and municipalities
- Foundation machines
- Agriculture machines
- Fire fighting machines



## SPECIFICHE TECNICHE

Tensione di alimentazione	8 - 32 V
Temperatura di funzionamento	- 30°C + +70°C
Grado di protezione	IP65
Processore	NXP i.MX6 Dual Core ARM Cortex-A9, 32 bit
Frequenza	800Mhz
Memoria interna	8 GB Flash
RAM	1 GB
RTC	Sì
Sensore temperatura interna	Sì
Accelerometro / Giroscopio	Sì
Buzzer	93 dB, volume regolabile
Porte CAN Bus	4
RS232	1 per full modem 1 per accesso Terminale Linux
Porte USB	2 HOST 1 OTG Device
Ingressi Video	4 PAL/NTSC in contemporanea
Uscite Video	Streaming RTP/RTSP per le camere e VNC per desktop remoto
Ethernet	1 x 10/100 Mbps
Audio	1 ingresso microfono 1 uscita non amplificata
GPS	1 ricevitore con antenna esterna (3 m precisione)
Bluetooth	1 Dual mode BT/BLE
Wi-Fi	Sì
Lista I/O	4 ingressi analogici / digitali RPM 2 uscite Low / High Side 1A 1 uscita Low Side 0.5A
Connettori	2 x AMP automotive 26 pin (principale) 2 x M12 8 pin (ingressi video)
Sistema operativo	Linux embedded
Standards	EN61000
Linguaggi di programmazione	C, C++, IEC 61131, QT/QML
Ambiente di sviluppo	VT3, QT CREATOR



## TECHNICAL SPECIFICATIONS

Supply voltage	8 - 32 V
Operating temperature	- 30°C + +70°C
Sealing degree	IP65
Main CPU	NXP i.MX6 Dual Core ARM Cortex-A9, 32 bit
Frequency	800Mhz
Internal memory	8 GB Flash
RAM	1 GB
RTC	Yes
Internal temperature sensor	Yes
Accelerometer / Gyro	Yes
Buzzer	93 dB, volume adjustable
CAN BUS ports	4
RS232	1 port full modem 1 port Linux Terminal
USB ports	2 HOST 1 OTG Device
Video Input	4 PAL/NTSC simultaneous
Video Output	RTP/RTSP for cameras and VNC for graphics (IP streaming)
Ethernet	1 x 10/100 Mbps
Audio	1 Audio input 1 Audio output (not amplified)
GPS	1 receiver with ext antenna (position accuracy 3 m)
Bluetooth	1 Dual mode BT/BLE
Wi-Fi	Yes
I/O List	4 analog / digital RPM Inputs 2 Low / High Side 1A outputs 1 Low Side 0.5A outputs
Connectors	2 x AMP automotive 26 pin (main) 2 x M12 8 pin (camera inputs)
Operating System	Linux embedded
Standards	EN61000
Programming languages	C, C++, IEC 61131, QT/QML
Programming IDE	VT3, QT CREATOR



VT3 software di programmazione



VT3 software programming tool

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