artificial intelligence for video surveillance

The Most Cost Effective Artificial Intelligence for Surveillance Solutions

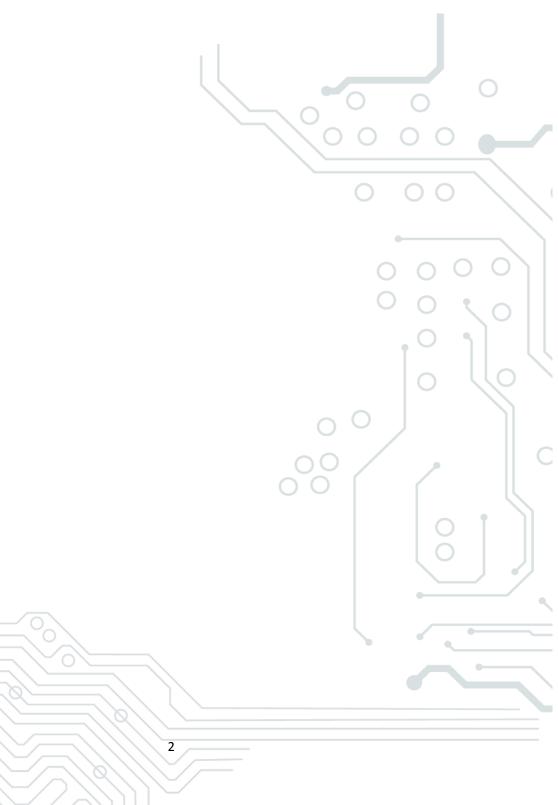
Device Specifications

Version 1.2



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1. A BOX device Specifications

* Number of Channels	V1: Maximum 16 RTSP Streams (live view only). V2: 10 Channels live and recording.
LAN	I CONNECTION
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
	VIDEO
Resolution	CIF Resolution
Frames Per Second (FPS)	6 FPS 0 0
Source Stream	Live only
V1: Number of Channels	16 Live Streams – max 4 simultaneously
V2: Number of Channels	10 Channels live/ recording. Live - max 4 simultaneously. Record - Single Channel Playback.
COMMUN	
Outputs	4x Dry Contact Outputs
V1 and 2 Output Trigger	Trigger via Interface or Telegram
OPER	ATING VOLTAGE
Voltage Input	220-230VAC 50hz
Output Voltage	13.8v-14.2v
12vdc Battery Backup	YES
AC Fail Output Rating	140 ma
Backup time	Approximately 1.5 hours (Backup PSU optional)
Nett Weight	3.7kg (Includes 12v 1.4amp Battery)
IP Rating	Only for indoor use
Power LED	YES
Buzzer On AC FAIL	YES (Optional)
Current Draw	3.7 Amp, 5 Volts
t ID as Angle a	
	ue, or a Combination thereof. y time, contact your service provider for up to date manuals and
specification in	formation on a regular basis.
	e
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2. Pi - 8 Channel Device Specifications

Number of AVLYTICS Channels	Maximum 8 RTSP Streams *
LAN G	CONNECTION
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
	VIDEO
Resolution	CIF Resolution
Frames Per Second (FPS)	6 FPS 0
Source Stream	Record Stream or Sub Stream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	*8 x CIF or 2 x VGA
COMMUNIC	CATION PLATFORM
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	1
Outputs	4 0 0
Output Functions Set 1	On/Off; Detection Alarm; A/C Fail; Diagnostic
Output Functions Set 2	Relays / Camera Detection (on request)
Enclosure Tamper	YES
	via Telegram App / Schedule / Local Input
Arming Method	vier relegient i pp/ serredate/ zoeen inpar
Arming Method Disarming Method	via Telegram App / Schedule / Local Input
Disarming Method	· · · · · · · · · · · · · · · · · · ·
Disarming Method	via Telegram App / Schedule / Local Input
Disarming Method OPERAT	via Telegram App / Schedule / Local Input TING VOLTAGE
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup AC Fail Output Rating	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES 140 ma
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup AC Fail Output Rating Backup time	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES 140 ma Approximately 1.5 hours (Backup PSU optional)
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup AC Fail Output Rating Backup time Nett Weight	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES 140 ma Approximately 1.5 hours (Backup PSU optional) 3.7kg (Includes 12v 1.4amp Battery)
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup AC Fail Output Rating Backup time Nett Weight IP Rating	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES 140 ma Approximately 1.5 hours (Backup PSU optional) 3.7kg (Includes 12v 1.4amp Battery) Only for indoor use
Disarming Method OPERAT Voltage Input Output Voltage 12vdc Battery Backup AC Fail Output Rating Backup time Nett Weight	via Telegram App / Schedule / Local Input TING VOLTAGE 220-230VAC 50hz 13.8v-14.2v YES 140 ma Approximately 1.5 hours (Backup PSU optional) 3.7kg (Includes 12v 1.4amp Battery)

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.



3. NUK – 16 Channel Device Specifications

LAN CONNECTIONLAN PortYESTransmission10/100/1000 Based – TConnection to DVR / NVRVia TCP/ IPVDEOResolutionFrames Per Second (FPS)6 FPSSource StreamRecord Stream or SubstreamHuman Presence DetectionYESNumber of Regions1Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aOutput Functions Set 2n/aArming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aNett Weightn/aIP RatingOnly for indoor usePower LEDYESBuzzer On AC FAILn/a	Number of AVLYTICS Channels	Maximum 16 RTSP Streams *
LAN PortYESTransmission10/100/1000 Based - TConnection to DVR / NVRVia TCP/ IPVIDEOVIDEOResolutionVGA ResolutionFrames Per Second (FPS)6 FPSSource StreamRecord Stream or SubstreamHuman Presence DetectionYESNumber of Regions1Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aOutput Functions Set 1n/aOutput Functions Set 2n/aArming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aNett Weightn/aIP RatingOnly for indoor usePower LEDYES		
Transmission10 / 100 / 1000 Based - TConnection to DVR / NVRVia TCP/ IPVUEUVUEUResolutionVGA ResolutionFrames Per Second (FPS)6 FPSSource StreamRecord Stream or SubstreamHuman Presence DetectionYESNumber of Regions1Number of Regions1Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATIORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aOutput Functions Set 2n/aDisarming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aIP RatingOnly for indoor usePower LEDYES		
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Frames Per Second (FPS)6 FPSSource StreamRecord Stream or SubstreamHuman Presence DetectionYESNumber of Regions1Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aEnclosure Tampern/aVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aNett Weightn/aIP RatingOnly for indoor usePower LEDYES		VIDEO
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Number of Regions1Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutputsn/aOutputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aEnclosure Tampern/aDisarming Methodvia Telegram App / ScheduleOutput Voltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aMett Weightn/aIP RatingOnly for indoor usePower LEDYES	Source Stream	Record Stream or Substream
Number of Channels*16 x VGA or 8 x 1MPCOMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aEnclosure Tampern/aMethodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleOUtput Voltage19.2vOutput Voltage19.2vAc Fail Output Ratingn/aMett Weightn/aIP RatingOnly for indoor usePower LEDYES	Human Presence Detection	YES
COMMUNICATION PLATFORMDetection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aOutput Functions Set 2n/aEnclosure Tampern/aArming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleOUtput Voltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aMett Weightn/aIP RatingOnly for indoor usePower LEDYES	Number of Regions	1
Detection AlertsTelegram App/ AVTASS IP Base (CID Telemetry)Inputsn/aOutputsn/aOutput Functions Set 1n/aOutput Functions Set 2n/aOutput Functions Set 2n/aEnclosure Tampern/aArming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleOutput Voltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aNett Weightn/aIP RatingOnly for indoor usePower LEDYES	Number of Channels	*16 x VGA or 8 x 1MP
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Arming Methodvia Telegram App / ScheduleDisarming Methodvia Telegram App / ScheduleOPERATING VOLTAGEVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aNett WeightIIP RatingOnly for indoor usePower LEDYES	Output Functions Set 2	n/a
Disarming Methodvia Telegram App / ScheduleOPERATING VOLTAGEVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aNett Weight1IP RatingOnly for indoor usePower LEDYES	Enclosure Tamper	n/a
OPERATING VOLTAGEVoltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aNett WeightIP RatingIP RatingOnly for indoor usePower LEDYES	Arming Method	via Telegram App / Schedule
Voltage Input220-230VAC 50hzOutput Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aNett Weight1IP RatingOnly for indoor usePower LEDYES	Disarming Method	via Telegram App / Schedule
Output Voltage19.2v12vdc Battery Backupn/aAC Fail Output Ratingn/aBackup timen/aNett Weight1IP RatingOnly for indoor usePower LEDYES	OPERAT	TING VOLTAGE
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AC Fail Output Ratingn/aBackup timen/aNett WeightIP RatingOnly for indoor useYES	Output Voltage	19.2v
Backup timen/aNett WeightIP RatingOnly for indoor useYES	12vdc Battery Backup	n/a
Nett Weight Only for indoor use IP Rating Only for indoor use Power LED YES	AC Fail Output Rating	n/a
IP Rating Only for indoor use Power LED YES	Backup time	n/a
Power LED YES	Nett Weight	
	IP Rating	Only for indoor use
Buzzer On AC FAIL n/a	Power LED	YES

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.



4. NUK – 32 Channel Device Specifications

Number of AVLYTICS Channels	Maximum 32 RTSP Streams *
	INNECTION
LAN Port	YES
Transmission	10 / 100 / 1000 Based – T
Connection to DVR / NVR	Via TCP/ IP
VI	IDEO
Resolution	VGA Resolution
Frames Per Second (FPS)	6 FPS
Source Stream	Record Stream or Substream
Human Presence Detection	YES
Number of Regions	1
Number of Channels	*32 x VGA or 16 x 1MP
COMMUNICA	TION PLATFORM
Detection Alerts	Telegram App/ AVTASS IP Base (CID Telemetry)
Inputs	n/a
Outputs	n/a O O
Output Functions Set 1	n/a
Output Functions Set 2	n/a O
Enclosure Tamper	n/a
Arming Method	via Telegram App / Schedule
Disarming Method	via Telegram App / Schedule
OPERATIN	NG VOLTAGE
Voltage Input	220-230VAC 50hz
Output Voltage	19.2v
12vdc Battery Backup	n/a
AC Fail Output Rating	n/a
Backup time	n/a
Nett Weight	
IP Rating	Only for indoor use
Power LED	YES
	n/a

* IP or Analogue, or a Combination thereof.

Please note that specifications may change at any time, contact your service provider for up to date manuals and specification information on a regular basis.



5. Benchmark Specifications for Installations

BENCHMARK S	NUMBER OF CHANNELS PER RESOLUTION					
RESOLUTION	CAPACITY	4MP	2MP	1MP	VGA	CIF
AVT-308PS	1 MP	*	*	*	2	8
AVT-316PS	16MP	4	8	16	48	80
AVT-332PS	32MP	7	15	32	100	130
AVT-364PS	64MP	14	25	64	150	250
AVT394PS	94MP	23	50	94	200	350
RESOLUTION / LI	ENS / ACCURACY	RESO	LUTION INDE	EX AND CAPA	CITY CALCUL	ATOR
CIF – 3.6mm	20 meters	 When making use of the resolutions outside of the 1 MP specification, you are able to use multiple resolutions (CIF/ VGA/ 2MP and 4MP) on one AVT device. This excludes the AVT-308PS, which is limited to VGA/ CIF resolution). To do this, take the total MP capacity of your AVT-Device and divide it by the total number of channels / resolution you wish to utilise. By adding the number of CIF (1/8 MP), VGA (1/4 MP) and the MP of the total number of channels / resolution to the MP of the solution. 				
VGA – 4mm	30 meters					
1MP – 6mm	40 meters					
2MP – 6mm	60 meters					
4MP – 8mm	80 meters	cameras on the site, you are able to calculate the correct settings for your limitation, to not exceed the MP capacity of the device.				

IMPORTANT NOTE:

The indication that the device can analyse 80 – 350 CIF and 100 – 200 VGA channels for various models, is purely on the device's CPU processing ability. Other factors contribute to the device's ability to process the streams, namely RAM, SWAP SPACE, and DISK size and performance. These factors, along with the CPU capacity limits the number of channels per device. Staying in the 1MP range indicated above will ensure that all channels have sufficient resources to process the streams.