



ELECTRICAL

Input	100 to 240 Vac – 50/60Hz – Max 1.2A	
Output	Max 1.2A 25.2 Vdc – 2A	
Battery	Type	Lithium-Ion
	Nominal voltage/capacity	21.6V / 2.25
	Max charge voltage	25.2V
	Recommended charge current	1.8A
	Max charge / discharge current	2.3A / 2.0A
	Energy	48.6Wh
	Charging duration	3h
Autonomy		60min (Active use)
		90 min (Normal use)

MOTHER BOARD

CPU	CPU processor	ATOM Z530
	Cache memory	512KB
	Clock speed	1.6GHz
	FSB speed	533MHz
RAM	1GB	
Flash memory	2GB	
Micro SDHC	8GB	

CONNECTION

Ethernet	1xRJ45 - 10/100/1000 BASE T
WIFI	IEEE 802.11a/b/g/n

AUDIO

Loud Speakers	x2 lateral	
	Diameter	36mm
	Impedance	8ohms
	Sp level	87dB/w +/- 3dB
	Freq range	up to ~20kHz
	Input	2W
Microphones	x4 on the head	
	Sensitivity	20mV/Pa +/-3dB at 1KHz
	Frequency range	150Hz-12kHz

CONSTRUCTION

Dimension (HxDxW)	574x275x311mm / 22.6x10.8x12.2 inch
Weight	5.4kg / 11.9 lb
Construction material	ABS-PC/PA-66/XCF-30

LANGUAGES

Text to speech & Automatic speech Recognition	Czech, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Spanish, Swedish, Russian, Turkish, Arabic, Brazilian, Chinese
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VISION

Cameras	x2 on front				
Sensor model	MT9M114				
Sensor type	SOC Image Sensor				
Imaging array	Resolution	1.22MP			
	Optical format	1/6inch			
	Active Pixels (HxV)	1288x968			
Sensitivity	Pixel size	1.9µm			
	Dynamic range	70dB			
	Signal/Noise ratio (max)	37dB			
	Responsivity	2.24 V/lux-sec (960p)			
Output	Camera output	1280x960 @30fps			
	Data Format	YUV422			
	Shutter type	ERS (Electronic Rolling Shutter)			
View	Field of view	72.6°DFOV (60.9°HFOV, 47.6VFOV)			
	Focus range	30cm ~ infinity			
	Focus type	Fixed focus			
Framerate	Resolution	Embedded	Gigabit Ethernet	100Mb Ethernet	Wifi g
	160x120px	30fps	30fps	30fps	30fps
	320x240px	30fps	30fps	30fps	11fps
	640x480px	30fps	30fps	12fps	2.5fps
	1280x960px	29fps	10fps	3fps	0.5fps

Note: using the video stream in remote highly depends on the network and the video resolution chosen. All frame rates depend on the CPU usage. Values are calculated with a CPU fully dedicated to images gathering.