

# Witbe Monitoring Robot Video & Media



## CRITICAL QoE KPIs

## PART OF THE WITBE GALAXY

### AVAILABILITY

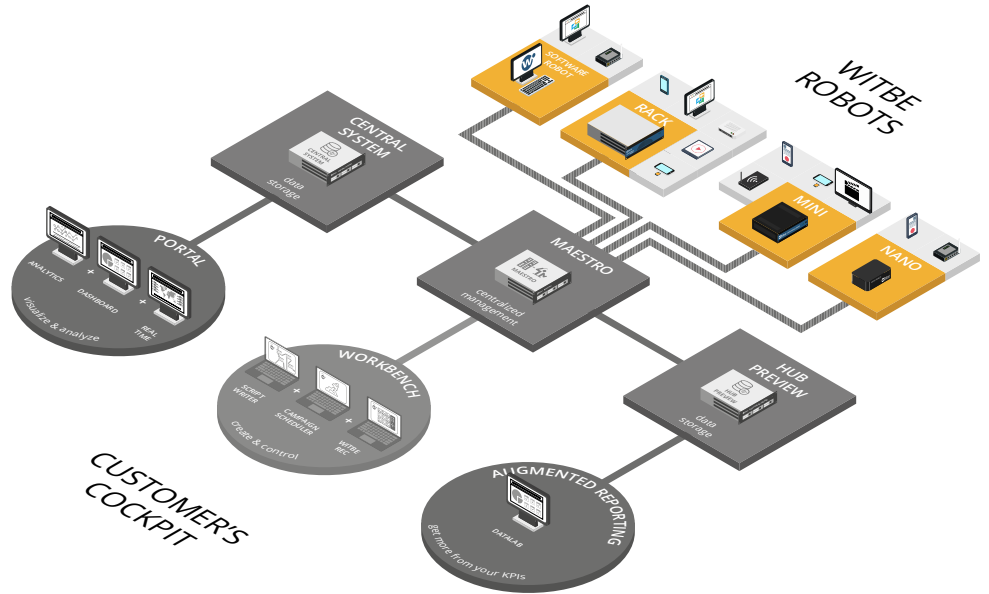
TV channels audio & video availability, video app launch success, VoD portal availability

### PERFORMANCE

STB boot time, menu / guides average response time, payment process time, video start-up time

### INTEGRITY

Video MOS (bluriness, jerkiness, blockiness, black screens, frozen pictures, error screens), Audio MOS (bandwidth, saturation, silence and loudness)



## KEY FEATURES

## BOOSTED WITH WITBE WORKBENCH

**Witbe MOS:** measure the true audio/video quality of any video stream without referential, using psycho-acoustic/visual analysis



**Witbe Workbench:** an intuitive scenario creation interface designed so that you can focus on results

**Witbe REC:** visualize and remotely operate the streams of all your devices on a single screen



**Web Recorder:** record your browsing actions for super fast scenario creation

**Plug-and-Play:** plug 4 cables, click on 3 buttons, and get rollin'



**Script Writer:** the best way to write scenarios—high productivity, easy maintainability and no coding required

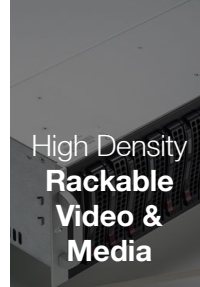
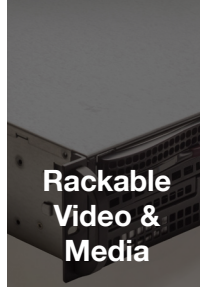
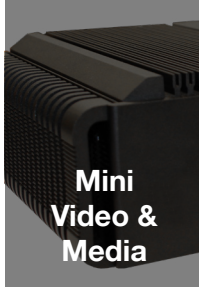
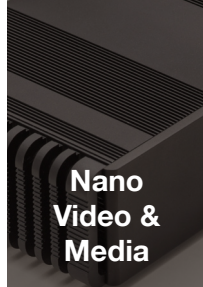
**Witbe Smartping:** map the bottlenecks of your delivery infrastructure, even in unmanaged networks



**Scheduler:** deploy cross-platform campaigns in seconds and focus on the only thing that matters: results visualization

**All-in-one:** connect mobile devices, set-top-boxes and web browsers to the same robot





## BEST FOR



Put it on your desk or send it everywhere in the field, for minimum noise and space impact

Put it on your desk, plug up to 4 devices, and test any cross-platform scenario in minutes

Rack it in your server racks for robust, automated and powerful QoE monitoring

Rack it in your server bay and plug up to 16 devices, monitor up to two 4K streams

Installation on a Virtual Machine (public cloud, private cloud, dedicated)

## TEST INTERFACES

Audio / Video Input	1x HD	up to 4x HD	up to 8x HD or up to 1x 4K or up to 2x SDI	up to 16x HD up to 2x 4K	—
Number of tests executed in parallel	1	up to 4	up to 8	up to 16	depends on VM's specs
Video resolution	720p, 1080p	720p, 1080p	720p, 1080p or 4K (depending on model)	720p, 1080p or 4K (depending on model)	N/A

## SUPPORTED DEVICES

STB, media player, streaming media boxes	✓ <i>excludes Mobile apps</i>	✓	✓	✓	—
Mobile apps devices (iOS / Android)	✓ <i>excludes STB</i>	✓	✓ <i>(max. 4 mobile app devices)</i>	✓ <i>(max. 4 mobile app devices)</i>	—
Web Browsers (Internet Explorer & Chrome)	✓	✓	✓	✓	✓
Desktop apps (Windows 7)	✓	✓	✓	✓	✓

## CONTROLLER ENGINES

IR Controller	✓	✓	✓	✓	—
RF Controller - w/ Witbe R&D validation	✓	✓	✓	✓	—
BT Controller - w/ Witbe R&D validation	✓	✓	✓	✓	—
USB Controller	✓	✓	✓	✓	—
Power Controller	✓	✓	✓	✓	—

## AVAILABLE ALGORITHM ENGINES

Video MOS	✓ <i>(max. 5 min. / hour)</i>	✓ <i>(1 device at a time)</i>	✓ <i>(1 device at a time)</i>	✓ <i>(2 devices at a time)</i>	✓ <i>(1 device at a time, depends on VM specs)</i>
Audio MOS	✓ <i>(max. 5 min. / hour)</i>	✓ <i>(1 device at a time)</i>	✓ <i>(1 device at a time)</i>	✓ <i>(2 devices at a time)</i>	✓ <i>(1 device at a time, depends on VM specs)</i>
Smartping	✓	✓	✓	✓	✓

## NETWORK ENGINES & REMOTE MANAGEMENT

Bridge for Ethernet STB	—	—	1 Set Top Box	1 Set Top Box	—
IPMI Support	—	—	✓	✓	N/A

## HARDWARE SPECIFICATIONS

Form factor	Nano (tabletop)	Mini (tabletop)	Rackable 2U	Rackable 2U	Software only
Dimensions (mm)	210W x 125D x 55H	320W x 260D x 70H	437W x 450D x 89H	437W x 647D x 89H	N/A
Weight	1.2 Kg	4 Kgs	20 Kgs	25 Kgs	N/A

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