CODEC summary table

The VTAS Service was retired in May 2017. This page will no longer be updated.

Codec Summary Table August 2015

This table is a guide to the videoconferencing codec products tested in detail by VTAS. It summarises the key features and hopefully will enable those interested to initially select which particular range of products best fits their needs.

The room size categorisation is an attempt to further classify system suitability taking into account video and audio inputs, camera inputs, monitor outputs, bandwidth and overall system facilities. It is recognised that this categorisation may not be relevant in all cases and is intended to provide a guide only.

- Desktop (D) - Integrated system with a desktop monitor suitable for one to two conference participants
- Rollabout (R) - Moveable trolley-based system with a single camera and monitor suitable for small groups
- Small Room (S) - Fixed system with a single camera and single or dual displays
- Medium Room (M) - Fixed system with a single camera and dual displays; may include second camera and/or room control system
- Large Installation (L) - Fixed system with multiple displays and cameras; probably includes room control system integration

Having selected a shortlist the more detailed reports may then be read and compared on **the Evaluation Reports page** [1]. The full reports are quite comprehensive as they aim to give enough detail to help prospective purchasers select the most suitable conferencing system for their institution. The "Best Buy" approach has been deliberately avoided as the needs, budget and usage of institutions varies so widely. If help or advice is found necessary please contact the VTAS Helpdesk **by sending an email to service@ja.net** [2] with VTAS in the subject line.

Note: the following table summarises the findings at the time of each evaluation, and may not reflect the current performance of the equipment.

Codec	HD, SD, HD/SD	Room Size	Max IP Bandwidth	ISDN Option	HD Signal Inputs	SD Signal Inputs	VGA Signal Input	HD Mo Out

Cisco TelePresence SX80	HD/SD	M, L	6 Mbit/s	No	4	1	0	3
Clearone Collaborate Room Pro 600	HD/SD	R, S, M, L	6 Mbit/s	No	3	0	0	2
Vidyo HD 40	HD/SD	R, S, M	1 Mbit/s	No	1	0	1	2
Vidyo HD 100	HD/SD	R, S, M	2 Mbit/s	No	1	0	1	2
Cisco SX10	SIP only HD/SD	R, S, M	3 Mbit/s	No	1	0	1	1
AVer EVC130p	HD/SD	R, S, M	4 Mbit/s	No	1	0	1	2
Starleaf PT Mini	HD/SD	R, S	1.5 Mbit/s	No	1	0	1	1
Starleaf GT Mini	HD/SD	R, S, M	1.5 Mbit/s	No	1	0	1	2
Huawei TE 30	HD/SD	R, S, M	4 Mbit/s	No	1	0	1	2
Avaya XT5000 720	HD/SD	R, S, M	6 Mbit/s	No	1	0	1	2
Polycom RealPresence Group 500	HD/SD	R, S, M	6 Mbit/s	No	3	0	0	2

LifeSize Room 220	HD/SD	R, S, M	8 Mbit/s	Yes	3	2	1	2
LifeSize Room 220i	HD/SD	R, S, M	8 Mbit/s	Yes	3	1	1	2
Polycom RealPresence Group 300	HD/SD	R, S, M	3 Mbit/s	No	1	0	0	2
AVer EVC100	HD/SD	R, S, M	4 Mbit/s	No	1	0	1	2
LifeSize Icon 600™	HD/SD	R, S, M	6 Mbit/s	No	2	0	1	2
Radvision XT5000	HD/SD	R, S, M	6 Mbit/s	No	1	0	1	2
Cisco SX20	HD/SD	R, S, M	6 Mbit/s	No	1	0	1	2
Avermedia AverComm HVC330	HD/SD	R, S, M	4 Mbit/s	No	Integrated camera	2	1	2
LifeSize Team 220	HD/SD	R, S, M	6 Mbit/s	Yes	2	0	1	2
Cisco EX60	HD/SD	D	6 Mbit/s	No	Integrated camera	0	1	Int M

Polycom® HDX 4500	HD/SD	D	4 Mbit/s	No	Integrated camera	0	1	Int Mo Se Mo
AVerMedia AVerComm H300	HD/SD	R,S	4 Mbit/s	No	Proprietary Camera Only	2	1	1
LifeSize LGExecutive	HD/SD	D	2 Mbit/s	No	Integrated camera	0	0	Int mo
Radvision SCOPIA VC240	HD/SD	D	2 Mbit/s	No	Integrated camera	0	1	Int mo
Radvision SCOPIA XT1000	HD/SD	R,S,M	4 Mbit/s	Yes	2	0	1	2
Polycom® HDX 9000-720	HD/SD	M,L	6 Mbit/s	Yes	2	1	2	3
LifeSize Passport	HD/SD	R,S	2 Mbit/s	No	1	0	0	1
Tandberg C40	HD/SD	S,M,L	6 Mbit/s	No	2	1****	1****	2
Polycom® HDX 6004TM	HD/SD	R,S	2 Mbit/s	No	1	0	1	1
Tandberg C20	HD/SD	R,S,M	6 Mbit/s	No	1	0	1	2

Polycom® QDX 6000TM	SD	R,S,M	2 Mbit/s	No	0	4	1	2*
LifeSize Room 200TM	HD/SD	M,L	6 Mbit/s	Yes	3**	2**	1	2
Sony® PCS-XG80	HD/SD	S,M,L	10 Mbit/s	Yes	2	1	1	2
Tandberg C60	HD/SD	M,L	6 Mbit/s	No	2*	1*	2*	2
Polycom HDX 8004	HD/SD	S,M,L	4 Mbit/s	Yes	2	1	1	2
Tandberg Edge 95 MXP	HD/SD	R,S,M	2 Mbit/s	Yes	1	3	1	1
LifeSize® ExpressTM	HD/SD	R,S	2 Mbit/s	Yes	1	0	1	1
Tandberg Profile 6000 MXP	HD/SD	M,L	4 Mbit/s	Yes	1	4	1	2
Sony PCS-HG90	HD	M,L	8 Mbit/s	No	3	1	1	3
LifeSize TeamTM	HD/SD	R,S,M	2.5 Mbit/s	Yes	1	2	1	1

Polycom HDX 9004	HD/SD	M,L	4 Mbit/s	Yes	2	1	2	3
ZXT500	SD	R,S,M	2 Mbit/s	Yes	0	4	1	1
LifeSize RoomTM	HD	M,L	2.5 Mbit/s	Yes	2	4	1	2
Tandberg 990 MXP	SD	R,S,M	2 Mbit/s	Yes	0	4	1	1

Aethra Vega X3	SD	R,S,M	2 Mbit/s	Yes	0	2	1	1

* While the C60 has five signal input connectors only three image sources from the five available inputs are selectable by the system user.

** The CODEC Auxiliary Input has three signal input connectors: one HD Analogue Component and two SD. Only one of these signal inputs is selectable by the system user.

*** If the VGA Monitor 2 output is in use, there are only two SD Monitor and VCR Outputs available which are both associated with Monitor 1 output.

**** While the C40 has four signal input connectors only three image sources from the four available inputs are easily selectable by the system user. The DVI and analogue SD signal inputs are not available simultaneously.

***** H.239 transmit is facilitated via an IP connection from the PC/Laptop to the CODEC using LifeSize Virtual Link software.

Links
[1] https://community.ja.net/library/advisory-services/product-evaluation-reports
[2] mailto:service@ja.net?subject=Vtas