



Solution Note #140

Issue:

Providing personalized, bedside, on-demand training & patient care with the click of a button

Market:

*Hospitals
Long/Short-term Care Centers
Assisted Living Facilities
Nursing Homes*





Problem/Solution Statement

Problem

- Today, patient bedside entertainment services are typically limited to a basic Cable TV service.
- On-Demand TV services similar to those offered in hotels are non-existent or are cost prohibitive for implementation in an healthcare facility.

Solution

ClassRoomEdge™ Video-on-Demand by Blonder Tongue. Because:

- [1] It's simple to operate:** Patient needs only a remote control to operate it.
- [2] It's simple to maintain:** Hospital staff can manage the content, and if desired, operate the system. Annual service agreements are optional.
- [3] It offers best value for the investment:** Pay for what is necessary, not for what is fancy.
- [4] Can be customized:** For example, interfacing with hospitals data server for bedside access to patient's hospital records, doctor notes, ...



How does it work in patient's room?

1 Simple – all you need is the remote control.

- Turn System On/Off
- Skip Back/Ahead 10 sec/5 min
- Browse through options
- Bookmark
- Play/Pause/Resume movies
- Go to Main Menu



2 Use the remote control to turn the system on ...

You are here → VoD

Entertainment Movies
Instructional Videos
Order Your Meal
Patient Records
Hospital Info
Housekeeping

Digital Library available to all Patient room Content is managed by hospital adminst.

Main Menu Bookmarks Back

“On-screen” hot links

3 ... & to browse through the digital content ...

You are here → VoD > Movies

New Movies
Comedy
Romance
Action
Travel
TV Series
Cartoon

Categories arranged by hospital adminst. for movies

Main Menu Bookmarks Back

4 ... & to select and play the desired video.

You are here → VoD > Movies > Action

Harry Potter 2012
Avatar
Transformers
Iron Man
Tomb Raider

Patient Selects/Plays the desired video.

02:42:18

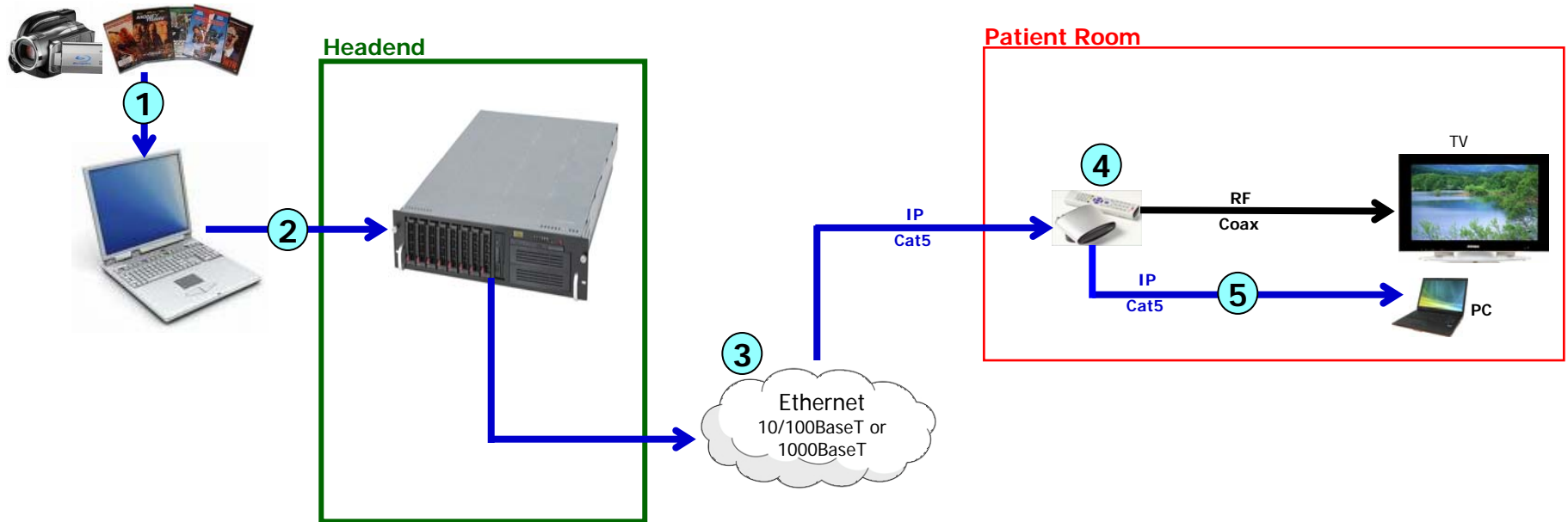
Main Menu Bookmarks Back

Video's run-time.
Patient can bookmark when interrupted (i.e. Physical Therapy) and start from the same frame again.



How does it work behind the scenes?

If using hospital's existing CAT5 cable (Ethernet) for distribution ...



- 1 Hospital's staff download the video content (VCR tapes, DVDs, Hospital-generated clips, ...) onto a standard computer using commercially-available software package such as ProCoder3 by Canopus.
- 2 The content is categorized/arranged by the staff and downloaded onto the video server.
- 3 Video streams are distributed to patient rooms over hospital's existing Ethernet network.

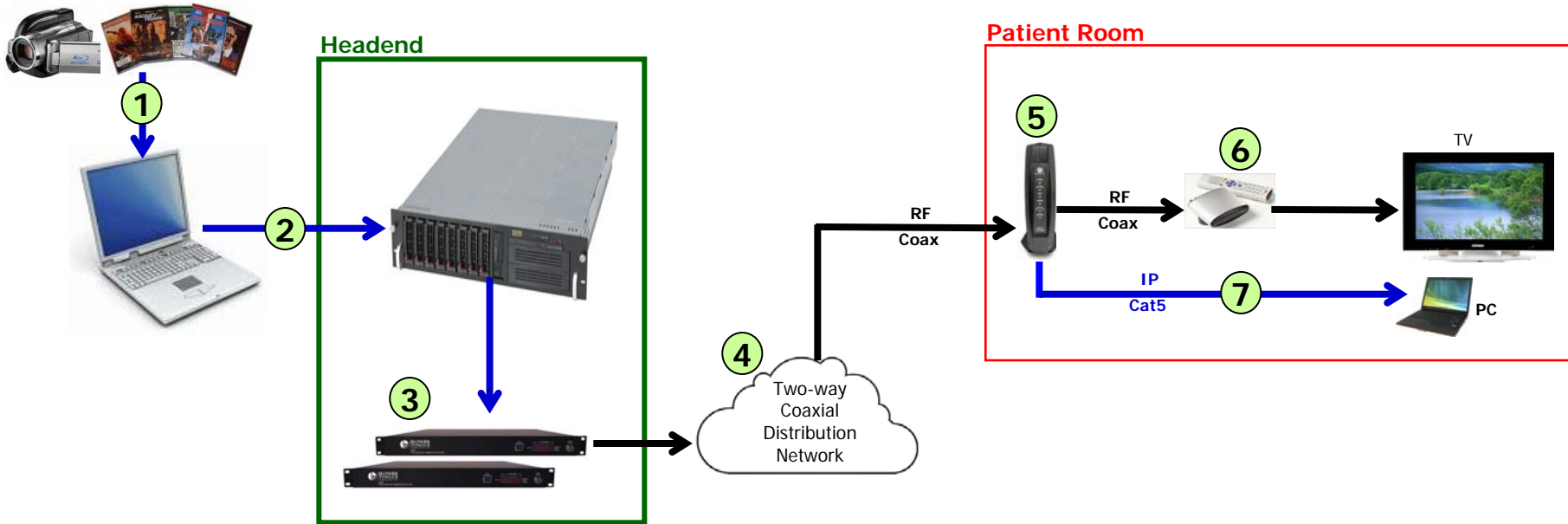
In the patient room ...

- 4 Set-top box receives and conditions the video streams for delivery to a TV.
- 5 Using the remote control, the patient can browse the video library & play the desired content on TV.
- 6 Or the video streams can be viewed on a PC.



How does it work behind the scenes?

If using hospital's existing coax cable for distribution ...



① & ② Same as previous slide.

③ VoD-optimized DOCSIS(s) converts the video streams from IP to RF for transmission over coax cable.

④ Video streams are distributed to patient rooms over hospital's existing two-way coaxial network.

In the patient room ...

⑤ Cable modem receives and conditions the video streams for delivery to a set-top box.

⑥ Using the remote control, patient can browse the video library & play the desired content on TV.

⑦ Or the video streams can be viewed on a PC.



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