### VMC FAMILY OVERVIEW

**Benefits**

- High solution availability covers full range of hospital demands
- Improved ergonomics during surgery - flexible video placement on every video-monitor
- Efficient and convenient collaboration, monitoring and teachings on video over IP option due to availability of the live video everywhere within and even beyond the hospital

*Video streaming solution required

### Control Units

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Included Accessories</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>WD15030A</td>
<td>VMC-30 Control Unit</td>
<td>Power supply, system cable to connect to VMC-30, UHF wireless microphone, DECT, CAT5 signal converter for touch screen, DVI fiber extender receiver</td>
<td>-</td>
</tr>
<tr>
<td>WD15030D</td>
<td>VMC-30 Control Unit</td>
<td>Power supply, system cable to connect to VMC-30, UHF wireless microphone, DECT, CAT5 signal converter for touch screen, DVI fiber extender receiver</td>
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</tr>
<tr>
<td>WD15030E</td>
<td>VMC-30 Control Unit</td>
<td>Power supply, system cable to connect to VMC-30, UHF wireless microphone, DECT, CAT5 signal converter for touch screen, DVI fiber extender receiver</td>
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</tr>
<tr>
<td>WD15080A</td>
<td>VMC-10 Control Unit</td>
<td>iPod docking station (mini-DIN), Environ. Lights, IW-22 Wall mountable iPod docking station</td>
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</tr>
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### Cables and Connectors

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<thead>
<tr>
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<tbody>
<tr>
<td>WD15072A</td>
<td>Cable (6 m)</td>
<td>-</td>
</tr>
<tr>
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</tr>
<tr>
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<td>Adapter-Kit</td>
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### Video Streaming License

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<tr>
<td>WD15020A</td>
<td>Software, IP Video Streaming License, for &quot;VMC-10&quot; and &quot;VMC-30&quot;</td>
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**Video Inputs/Outputs**

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<tr>
<td>6 x 3 RGB/SDI</td>
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</tr>
<tr>
<td>8 x 8 Y/C</td>
<td>8 x 8 Y/C</td>
</tr>
<tr>
<td>2 PC in (each VGA or DVI)</td>
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</tr>
<tr>
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**Software License**

- Video Streaming License
- Software License for VMC-10
- Software License for VMC-30
- Centralized control of video management, communication, and video capturing and patient data synchronization, for control of still image and video capturing, for control of still image and video capturing, and for CV-165/180/190, designed for use in surgery settings.

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**Summary**

- **VMC-10 / VMR-10**
  - Control a room camera
  - Perform video conferencing and phone calls
  - Playback of iPod music
  - Changing room light settings

- **OMNIS**
  - Control unit for endosurgery
  - Adds further improvements

- **OPUS-3**
  - Control unit of the OR
  - Widen the scope of functionalities

- **UCES-3**
  - Distribute control of the entire OR
  - Increase independence

- **UCMS-3**
  - Distribute control of the entire OR
  - Increase independence

- **Remote Camera Unit**
  - Connect video signals such as endoscopic cameras to any display
  - Designed for easy and intuitive touch screen user interface

- **Additional Features**
  - iPod control via touch screen
  - Additional mic input
  - Additional aux input
  - 4 stereo loud speakers

- **Technical Data**
  - Voltage 100 – 240 V~
  - Weight 83 kg
  - Depth 600 mm
  - Width 600 mm

**Features**

- **Video Streaming Solution Required**
  - Reduce training times.
  - System management and intuitive navigation supports easy sterile and non-sterile field.
  - Can be operated from both the OR staff and the control units in the ORs.
  - Units are designed for placing them on supply racks.
  - Rack dimensions:
    - Depth 740 mm
    - Width 370 mm

**Functional Description VMC-10 / VMR-10**

All aspects of the system are designed to be operated via an intuitive touch screen user interface. Up to two touch screens can be connected to provide control from the sterile and non-sterile field.

**Video and VoIP Communication**

Network-based video and teleconferencing enables cross-departmental collaboration and conferences.

- **Connectivity**
  - SIP or H.323
  - IEEE 802.11b/g/n

- **Hardware**
  - Ceiling-mountable zoom/pan device
  - 1/4 type 380k pixel EXview HAD CCD camera
  - 6x zoom lens
  - SNR 50 dB
  - Lens 2.5 mm Fixed Focal
  - Effective Pixels 752 x 582
  - Video Standard H.261, H.263
  - Video Resolution Up to 704 x 576 (4CIF)
  - Video Frame Rate Up to 30 Frames/s
  - Video and VoIP Communication
  - Network-based video and teleconferencing enables cross-departmental collaboration and conferences.
  - Video Frame Rate: Upto 30 Frames/sec
  - Video Resolution: Up to 704 x 576 (4CIF)
  - Video Standard: H.261, H.263
  - Video Codec: G.722, G711

**Ambient Light Control**

Different ambient light zones and light scenes are recalled according to procedure situations.

- **Ambient Light Zones**
  - Minimum illumination less than 1 Lux

**Video Placement**

Video signals such as endoscopic cameras, room cameras, recording or other imaging devices can be assigned to different display destinations inside the operating theatres.

**VMC-10**

- 8 x Y/C (4 video)
- 8 x Composite Video

**VMR-10**

- 6 x Breakout (4 DVI)
- 2x Y/C (2 video)

**Video Recording**

- Video signals can be recorded and linked to patient data automatically for reference documentation and archiving.
- Workflow-oriented procedure documentation and reporting.
- Available as stand-alone or network client solution.
- Trigger video documentation functions directly from the endoscope or via foot switch.
- Still image capturing and video recording (SD & HD)
- CD/DVD recording
- Import and export of images/videos

**Video Editing**

- Hosted7™ compatibility via DICOM and HL7

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- **Hardware**
  - 1 DVI Fiber out, receiver included
  - Analogue 4x 2, each either Y/C or Composite
  - Video signals such as endoscopic cameras, room cameras, recording or other imaging devices can be assigned to any display, regardless of signal types.
  - Analogue: 4 x 2, each either Y/C or Composite
  - SDI/HD-SDI: 3G
  - SDI/HD/3G: 2x

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