

ManuTrack

optical hand tracking for interaction with Virtual Graphics

Using the camera video picture only, **ManuTrack** automatically measures the position and status of hands in real-time and transmits it to the Virtual Graphics system. Now the hand of the presenter can act like a virtual mouse or Multitouch device and interactivity starts: objects can be moved, dragged and dropped, events can be triggered, actions can be controlled and many more.
With **ManuTrack** virtual objects become a reality that can be touched by the presenter.

Performance

- Calculates the exact **position and status of presenter's hands**
- Real-time algorithm uses the **broadcast camera video picture only**
- **Optical tracking** technology measures "in air", therefore it works:
 - for **any place**: not locally bounded to a special place inside the studio
 - for **any move**: tracks during all camera movements even for a shoulder camera
 - for **any equipment**: for any lens, camera, support system or studio environment
 - for **any location**: for Virtual or real Studios, even open-air locations



Advantages

- Ensures the **presenters interactivity** with virtual objects and graphics by turning hands into a virtual mouse or Multitouch device
- **3D effect** for your viewers, Virtual Objects appear in front or next to talent
- Pure **image processing**
- **No devices** needed within the studio or at the camera
- **No calibration**, no special setups needed
- **Cost-effective alternative** to Multitouch devices, even for multiple persons and hands
- Tracks even on **recorded material** or satellite videos
- **Open Interface** to any Virtual Graphics system
- **Various interactive formats** like weather forecasts, elections, sports, teaser, virtual game shows and many more



Visit www.trackmen.de for more information on other **TrackMen** products.

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3D Tracking Solutions



www.trackmen.de
info@trackmen.de
+49 (0) 700 TRACKMEN (8722 5636)
+49 (0) 700 TRACKFAX (8722 5329)

TrackMen Limited
Foerstchen 12
D-42799 Leichlingen
Germany