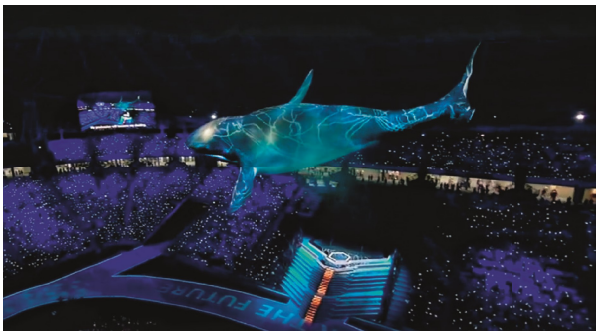
COMPASS AR TRACKING SYSTEM

Specially for Robycam we have created an advanced system of digital sensors spread over the camera system and integrated into our gyro-stabilized head R3 which allows to precisely determine the position and orientation of the camera, parameters of the lens in real time. This data is then sent to a graphics server, where Augmented Reality objects are added to the live video feed in real time.

Sky Italia Studio case study with AR

New Wave Music Festival in Sochi 2019



World Skills Kazan 2019

Muz-TV Awards

TECHNICAL FEATURES

Tracking data protocol: FreeD (UDP or Serial), other options on request	No special software required, the system outputs final computed values
Tracking data parameters: camera position (X,Y,Z), camera orientation (Pan, Tilt, Roll), Zoom and Focus positions	Complete AR configuration (axes offsets and orientation etc.) available at Robycam side
Lens support: Canon and Fujinon motorized lenses	Tracking delay: 2-5 frames
	Driftless tracking

RECENT REFERENCE

2019 Epicentre Major (Russia)

2019 Chongqing Major (China)

2019 Autohome 818 Global Car Night Gala (China)

2019 Muz-Tv Show (Russia)

2019 World Skills Opening Ceremony (Russia)

2018 AR in SkyItalia Studio

2018 PUBG Championships (China)

2017 Wargaming Gran Finals (Russia)

2017 Italian Cup Final (Italy)

2017 Keirin Competition (Japan)

2017-2018 Football and Biathlon championships (Germany)

2016-2017 Italia's got talent (Italy)

2016-2018 Chinese New Year Show for Hunan TV (China)

2015-2018 KHL All-Stars matches (Russia)

2015-2018 Football National League (Russia)

AR VENDOR SUPPORT

ROSS · BRAINSTORM · AVID avid.com · Zero Density · vizrt · WASP3D

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