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

International swimming league 2020

Tiktok show 2018

WePlay AniMajor Dota 2 Major 2021

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

2022-2016 Multiple UEFA, Bundesliga, RPL matches

2022-2018 Sky Italia Studio installation (Italy)

2022-2020 La Hora de la Uno (Spain)

2022-2018 Hunan TV New Year (China)

2021-2017 KHL matches (Russia)

2021 Cheltenham Festival, Horse Racing (UK)

2021 WePlay AniMajor Dota 2 Major (Ukraine)

2020 International Swimming League (Hungary)

2020 United States presidential election (UAE)

2019 Chongqing Major (China)

2019 PUBG Asia Invitational (Macao)

2018 Presidential election in South Korea

2018 CEV Volleyball Champions League (Russia)

2018 DFL Sports Innovation Day Football (Germany)

2018 Japan KEIRIN Cycling Championship (Japan)

AR VENDOR SUPPORT

ROSS · BRAINSTORM · AVID avid.com · Zero Density · vizrt · WASP3D · UNREAL ENGINE · PIXOTOPE · disguise · unity

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