

EMBARGOED UNTIL
NOVEMBER 27th
AT 1PM ET / 6PM BST



4

The future of work is immersive





220+ 2016 140m+€

Helsinki Washington D.C.

Highest-performance Industrial XR and VR



Human-eye resolution displays



Industry-leading, true-to-life Passthrough



Eye, hand & depth sensors

100+ PCVR Software



PREPAR3D



Twinmotion



KeyVR



Used by over 25% of Fortune 100 companies



REALITY CLOUD

Varjo is in a unique position in the VR/AR market

Target market	B2B	B2C
System architecture	PC COMPUTE FOR HEAVY WORKLOADS	MOBILE SOC
App ecosystem	PCVR/WINDOWS APPS	ANDROID AND IOS APPS
Product driver	PERFORMANCE AND FEATURES	SIZE AND PRICE
	Maximize immersion High user ROI	Reach volume quickly Compete by unit economics

INTRODUCING
THE XR-4 SERIES



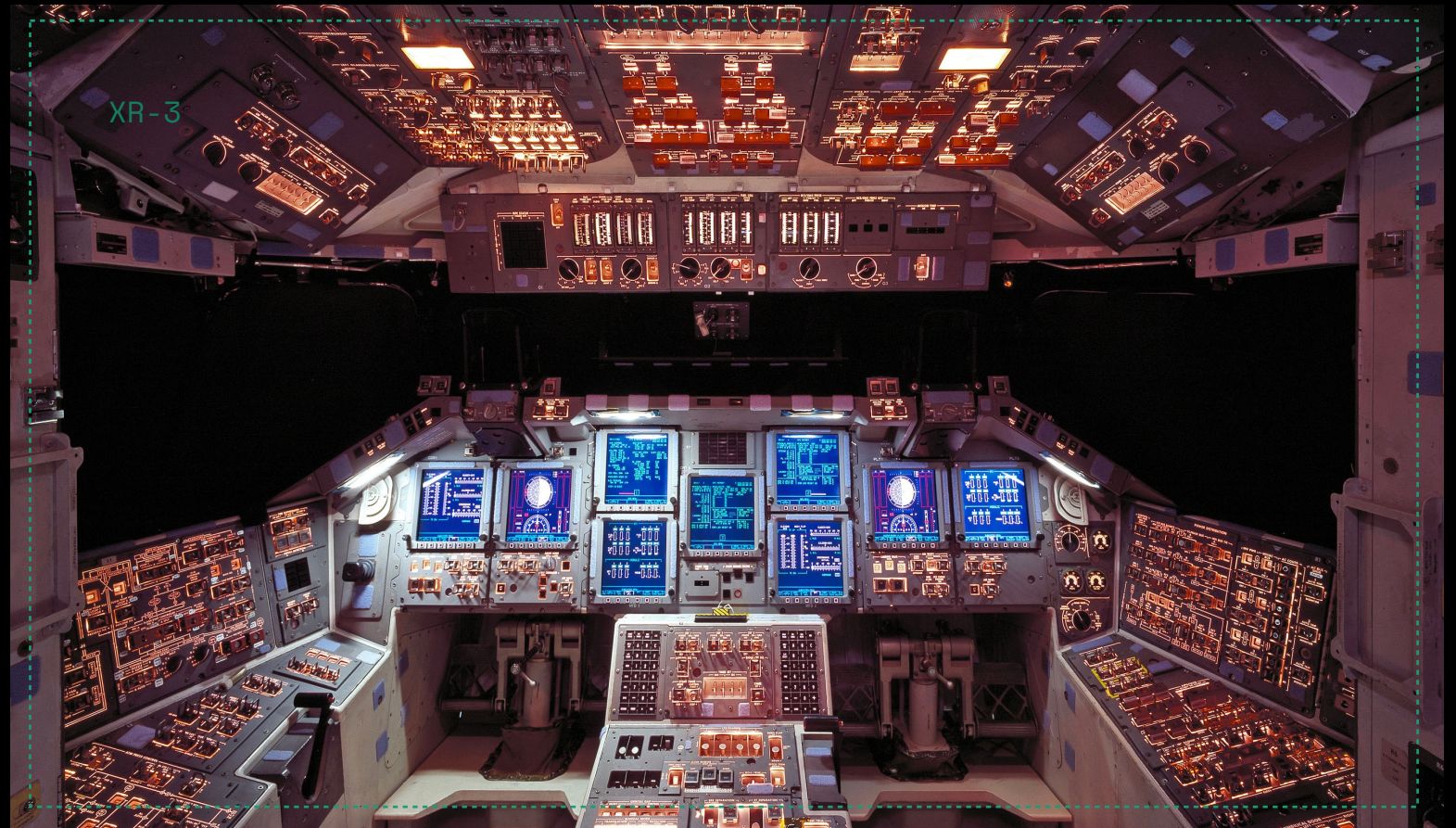
MADE FOR
SUPERLATIVE
IMMERSION

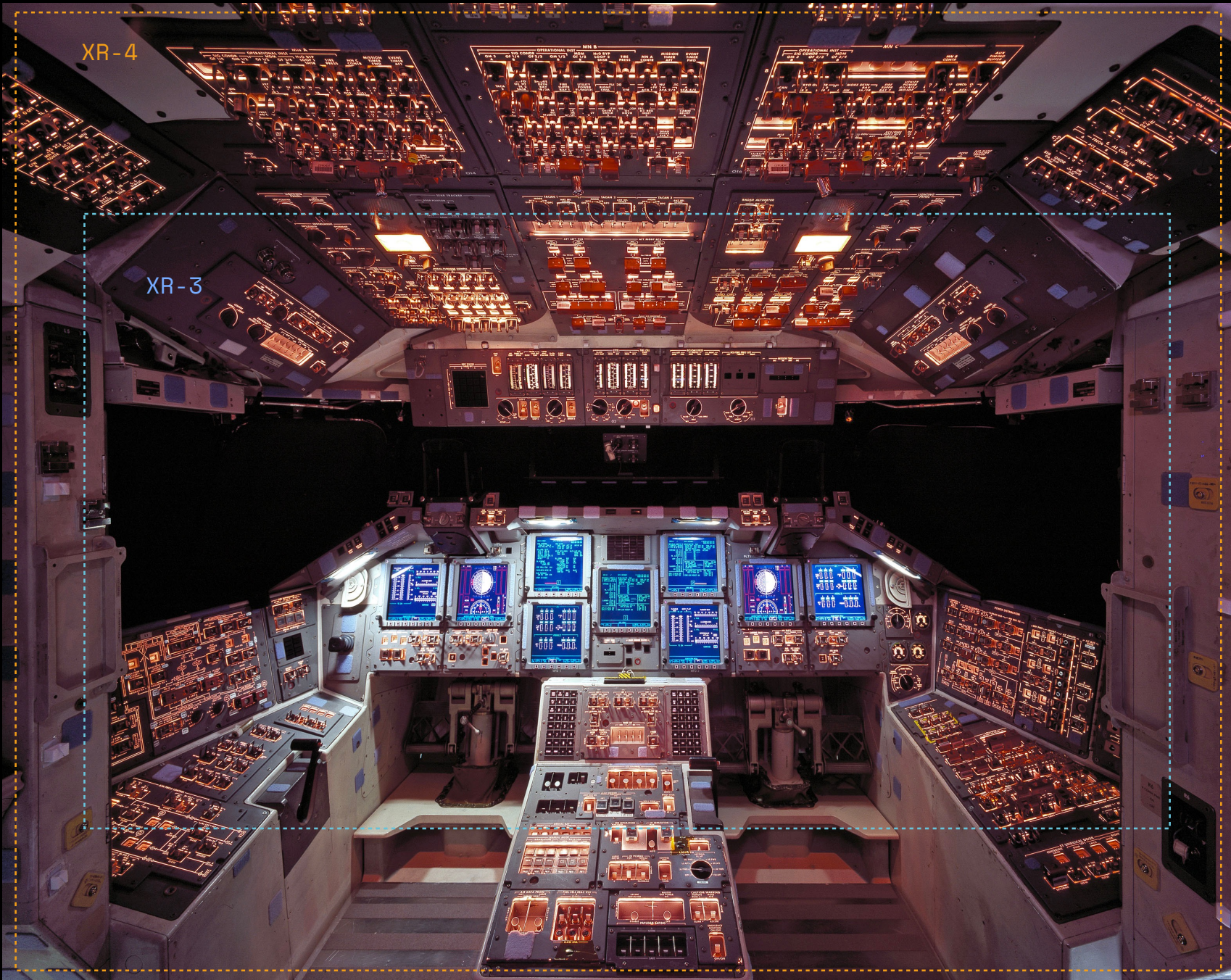


BREAKTHROUGH IN
OPTICAL DESIGN



BREAKTHROUGH IN
OPTICAL DESIGN





XR-4

XR-3

BREAKTHROUGH IN OPTICAL DESIGN

Massive 50% increase in effective FOV

BREAKTHROUGH IN
OPTICAL DESIGN

28 Million pixels - over 20 %
more than AVP

Aspheric variable resolution
full-frame lenses for massive
120 x 105 FOV

Double the brightness and
incredible colour gamut



MIXED REALITY
INDISTINGUISHABLE
FROM NATURAL SIGHT

XR-4 FOCAL EDITION
SUPERLATIVE IMMERSION
FOV 120° x 105° | 91 PPD



MIXED REALITY
INDISTINGUISHABLE
FROM NATURAL SIGHT

20MP FF/AF cameras
with up to 51PPD resolution

Dedicated ambient lighting reconstruction
cameras for the most realistic fusion of
physical and virtual ever achieved.

World's first gaze-driven auto-focus camera
system in XR-4 Focal Edition that mimics
human vision



SHOT WITH XR-4
PRE-PRODUCTION MODEL

MIXED REALITY
INDISTINGUISHABLE
FROM NATURAL SIGHT

Foveated rendering &
camera streams

Real-time
ray-tracing

Powered by
NVIDIA RTX 4090



COMPLETE PACKAGE
FOR INDUSTRIAL USE



COMPLETE PACKAGE
FOR INDUSTRIAL USE



NEW Inbox controllers with
advanced haptics



NEW Inside-out
tracking

NEW Field-of-View
adjustment slider

NEW Zero-gravity
headband & light-blocker

NEW Integrated
high-end spatial audio

NEW 8 x more
Powerful LiDAR

NEW ambient light
sensors

NEW Noise-cancelling
stereo microphones

COMPLETE PACKAGE
FOR INDUSTRIAL USE



ACCESS & UPGRADE
TO WORLD'S HIGHEST
COMPUTING POWER

A person is shown from the chest up, wearing a VR headset and holding a controller. The background is dark, and the person's jacket is covered in numerous logos of software and hardware partners. The logos are arranged in a grid-like pattern around the person. The logos include: Autodesk VRED, Siemens NX, Unigine, Revit, Rhino, Autodesk Twinmotion, CMC Viewr, Gravity Sketch, OpenXR, Rightware, Unreal Engine, Steam VR, Techviz, iFpro, V-Grade, SketchUp, KeyVR, Unity, Soltech, HTX Labs, Laerdal, XPlane, MeelinVR, OSPENIC, ChargeBE, XIG Limited, FlightSafety, eyetracking, cognitive3D, Metavr, 3DXcite, Assetto Corsa, IMOTIONS, Pixyz, Bimdon, Prepar3D, VBS, Unity Forma, CAE, Engage, and Blender. A plus sign is located at the bottom left of the logo grid.

COMPLETE
PROFESSIONAL SW
COMPATIBILITY

THE XR-4 SERIES
MADE FOR PROFESSIONALS



THE XR-4 SERIES
MADE FOR PROFESSIONALS



XR-4



XR-4
FOCAL EDITION
(51 PPD pass-through
with auto-focus)



XR-4
SECURE EDITION
(TAA compliance)

CUSTOM SOLUTION
FOR SECURE ENVIRONMENTS



XR-4 SECURE EDITION

Made for the highest government and enterprise level security requirements.

Secure units are made in Finland, are TAA compliant and can be configured to be non-RF (have no radio components) and compatible with SteamVR™ Tracking.



XR-4 SECURE EDITION
SUPERLATIVE IMMERSION
FOV 120° x 105° | 51 PPD

XR-4
SERIES

CONFIDENTIAL



MODEL	XR-4	XR-4 FOCAL EDITION	XR-4 SECURE EDITION	
BASE PRICE	€3,990	€9,990	€7,990 <small>FIXED FOCUS</small>	€13,990 <small>ENHANCED PASSTHORUGH</small>
KEY FEATURES	<p>3840 x 3744 displays 120°x105° field of view 20 MP passthrough cameras Inside out tracking 300 KPIX LiDAR Varjo controllers Spatial audio Noise cancelling microphones</p>	<p>3840 x 3744 displays 120°x105° field of view 20 MP passthrough cameras Inside out tracking 300 KPIX LiDAR Varjo controllers Spatial audio Noise cancelling microphones Enhanced passthrough with Autofocus</p>	<p>3840x3744 displays 120°x105° field of view 20 MP passthrough cameras Inside out tracking 300 KPIX LiDAR Varjo controllers Spatial audio Noise cancelling microphones TAA compliancy Enterprise Pro package</p>	<p>3840x3744 displays 120°x105° field of view 20 MP passthrough cameras Inside out tracking 300 KPIX LiDAR Varjo controllers Spatial audio Noise cancelling microphones TAA compliancy Enterprise Pro package Autofocus passthrough</p>
USE CASE	Optical design optimized for design review, virtual content focus use cases. Automotive, Product Design, Medical, Data Visualization etc.	Optical design optimized for training and simulation, focus on physical components/cockpits. Pilot training, remote medical procedures etc.	All use cases requiring TAA compliancy. Government-tier / exceptionally enhanced security requirements.	
OPTIONS	<input type="checkbox"/> STEAMVR™ TRACKING (+€1,000) <input type="checkbox"/> ENTERPRISE PRO PACKAGE* (+€2,000)	<input type="checkbox"/> STEAMVR™ TRACKING (+€1,000) <input type="checkbox"/> ENTERPRISE PRO PACKAGE* (+€2,000)	<input checked="" type="checkbox"/> STEAMVR™ TRACKING (+€1,000) <input checked="" type="checkbox"/> NO RADIO COMPONENTS** (+€2,000)	

*Enterprise Pro Package includes device offlining, priority support and shipping

**No radio components option only available with the autofocus option

XR-4 SERIES
LAUNCHES
NOVEMBER 27th

