
Ver. 2023-07-12

VENTA CMS 3.0

PRODUCT INTRODUCTION

Multiple simultaneous VR industry safety education solution

Contents.

01.

VENTA CMS 3.0



02.

VENTA SAFETY CONTENT



Contents.

01.

VENTA CMS 3.0

02.

VENTA SAFETY CONTENT

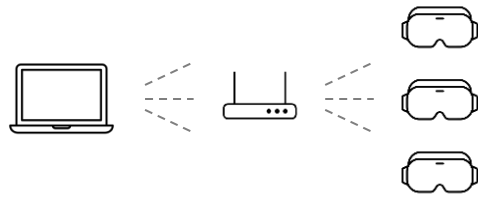
01.

VENTA CMS 3.0

Content Management System

A solution that makes **simultaneous VR education** possible for majority

Simple operational principle



When you press the play button from the PC,
the router sends a signal to each HMD to play
(No use of Internet X)

Easy to use

STEP
01



Turn on the power of
all equipment
(PC, router, HMD)

STEP
02



Choose content
From PC and play

STEP
03



The content will be
played in each HMD
simultaneously

※ simultaneously educable **up to 100 people**

I VENTA CMS 3.0 Product Composition

H/W

PC

OS: WINDOW10
CPU: Cezanne AMD Ryzen R5-5600U
RAM: 16GB
capacity: 512GB
display: 35.5cm(14inch) Full-HD
**If you have a PC with certain specification like
above it is replaceable*

HMD (PICO G3)

CPU: Qualcomm snapdragon 835
resolution: 3,840*2,160(4K)
capacity: built-in memory 128GB
Slot/battery: 3,500mAh
**G24K can be interconnected*

AP router (A8004BCM)

band: (Dual band 2.4GHz, 5GHz)
WiFi link speed: max. 3150Mbps
CPU: BCM4908 Quad Core
DDR3: DDR3 1GB

S/W

VENTA CMS 3.0 program

Multiple simultaneous VR education
solution (Window)
Education management program (LMS)

UPGRADE 기능:
360 VR PIC added
My playlist added
Advanced content search added



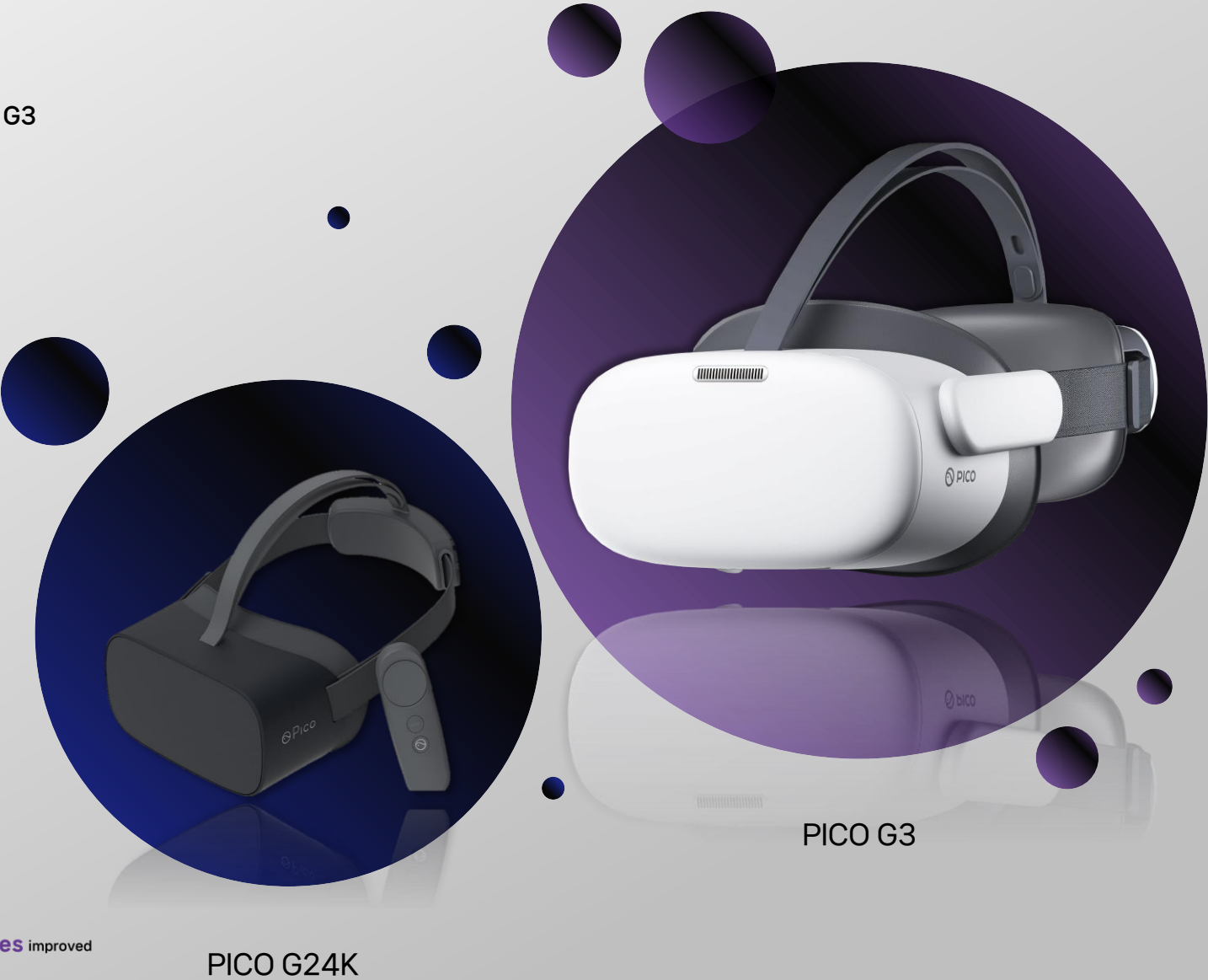
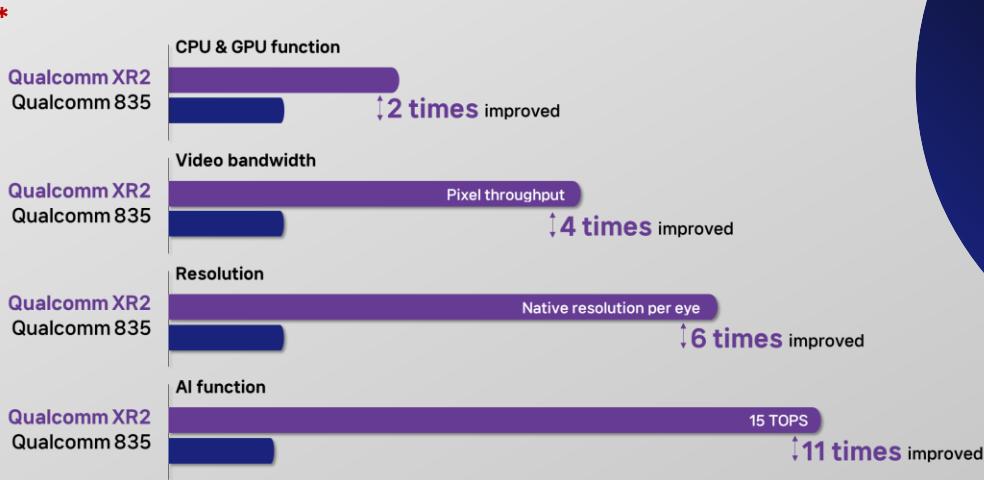
VENTA CMS 3.0 Product Composition

[HMD Spec Comparison]

VENTA CMS 3.0 can be worked with both PICO G24K and PICO G3

[Detailed spec comparison]

G24K		G3
Qualcomm snapdragon 835	*CPU	Qualcomm XR2
3,840*2,160(4K)	resolution	3,664*1,920
Built-in memory 64GB	capacity	Built-in memory 128GB
3,500mAh	slot/battery	5,300mAh
278g	Weight	604g
3 hours	Battery life	2.5 hours



PICO G24K

PICO G3

I Detailed Product Image

2019

VENTA CMS 1.0

(Android)

Simultaneous control function

- Simultaneous play
- Video control
- Pointer
- Device status
- re-centering



2022

VENTA CMS 2.0

(Window)

Simultaneous control

- + Learning management System (LMS)
- + Content update



※ PICO G2 4K

2023

VENTA CMS 3.0

(Window)

Simultaneous control

Learning management System (LMS)

Content update

- + VR PIC function added ★
- + support Kor and Eng for software
- + My playlist added
- + advanced content search added



※ PICO G3 + PICO G2 4K

I About VENTA CMS

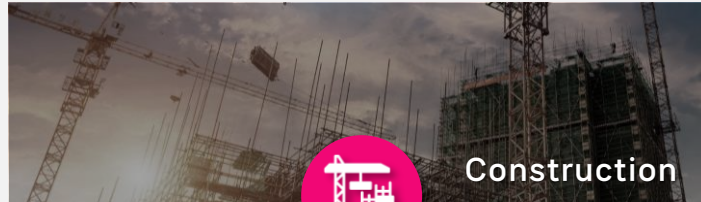


Sold more than **2,890 HMD** to **97 companies**
and trained in more than **1,200 site**

Proceeded education to more than 1,200 sites
in various industry including,

- SK materials
- SK trichem
- Korea Occupational Safety and Health Agency (KOSHA)
- Korea Western Power co.,Ltd.
- Korea Southern Power co.,Ltd
- Kumhotire
- Korea Infrastructure Safety Corporation
- KOSHA Chungcheong safety experience center
- Korea Rural Community Corporation
- Korea Water Resources Corporation
- Korea Hydro & Nuclear power co.,Ltd
- Gyeongsangbuk-do Development Corporation
- Korea Hydro & Nuclear power co.,Ltd Daejeon HQ
- CJ cheiljedang
- Korea Land & Housing Corporation
- Samsung C&T Corporation
- Korea East-West Power Co., Ltd. and etc.

I About VENTA CMS



Construction



HDC



YOJIN



Manufacturing



Etc.



I VENTA CMS 3.0 Main function



Simultaneous
Control



Learning
Management
System (LMS)



Content Update



360 VR PIC



Advanced
content search

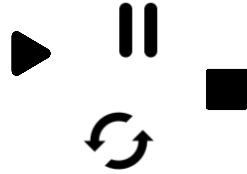


My playlist



Kor / Eng

I VENTA CMS 3.0 Main function



Simultaneous Control

You can simultaneously control play, pause, stop, re-centering and sync of all the HMD (VR device) from the PC.



360 VR PIC

You can take picture of your own site with 360 camera, convert it to JPG/PNG, upload it to VENTA CMS and then use it directly in education.



Learning Management System (LMS)

Education information you registered before each education will be automatically saved and managed. You can also download it in excel form and use it as a report.



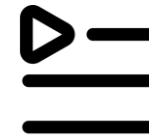
Content Update

You can preview, download and update content by yourself through the server by connecting internet.



Advanced content search

You can search content faster and easier through just choosing keyword from the 4 category [Industry, Accident type, Tool&equipment, Work]



My playlist

You can make your own playlist before education and use it immediately in class. All things can be easily managed in [My playlist Edit]



Kor / Eng

You can choose language (Kor / Eng) of VENTA CMS program.

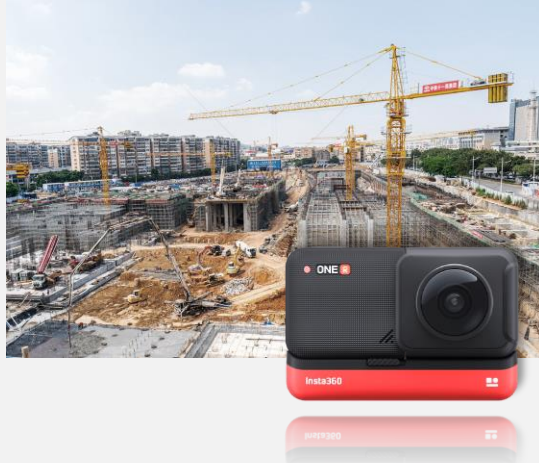
360 VR PIC is super easy also for beginners as it needs only 3 STEP

Customized safety education possible through 360 VR PIC

STEP
01



[Shoot and convert]



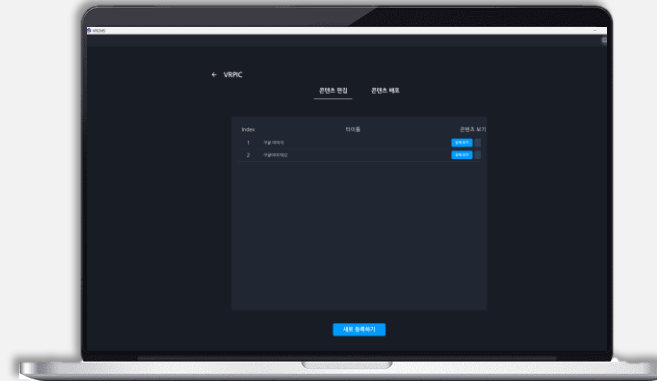
Take picture of your own site with 360 camera, convert it to JPG/PNG through convert program* of each camera brand or prepare any 360 image you already have.

*Convert program differs per each 360camera brand you have

STEP
02



[Upload and distribute]



Upload the 360 image like you upload a file from [VR PIC edit] in CMS program and distribute it to all the HMD then you are ready to use it for education. (No Internet needed)

STEP
03



[Education]



360 images you registered in [VR PIC edit] is immediately applied in [VR education] so you can begin your class right away and it can be mix used with VR video.

02.

VENTA SAFETY CONTENT

S3D VR video production technology based on reality with overwhelming image quality

We provide the reality of the site to trainees by making high risk safety accident with CG technology to the VR video which is filmed in high-definition S3D video. Also, we minimize Cyber motion sickness by using motion sickness reducing technology.

Content based on real cases which is super realistic

We deliver accurate information about safety to the trainees by organizing content with safety accident which trainees can empathize with.

S3D VR production technology

We produce immersive video content through image-based filming and stereoscopic CG.
It makes people to experience the actual situation before one's eyes.

VR Pre-production

VR filming

VR post-production



Pre-visual planning
through Pre-viz stage



Use self-developed Rig
(going through patent application)
Stereoscopic filming / possess VR
special filming technology



Use Image quality correction
technique specialized for VR /
Stereoscopic correction technology /
CG Technology

Venta Safety Content



Accident



Cause



Prevention

I FAQ

? Do you provide A/S?

You can get A/S for free up to 1 year after contract. If you send the devices to us, we will send you back after repair.

? Do I need to buy all the set of the devices?

PC, router and HMD are a set. the number of HMD is supposed to be bought as you need. If you'd like to use your own PC, Check PC specification which is our program is able to run. PC is satisfied with specification, you can use your own PC. and Battery charger is an optional.

? Can I get any guidance for how to use devices?

When we deliver devices, we inform customer how to use device.

? In case that I bought device in person, Can I buy only VENTA content and software?

Yes you can. But In that case, we don't support warrant service for devices which is you purchase in person.

? Can we choose safety contents what we need for our process ?

Yes you can. We have 74 type of safety content. you can choose suitable content for your site.

? I'd like to make our own safety content for using our site and process, how much cost to make our own content?

It would cost about \$ 46,000 US dollar for making 3-4 min content. The budget could be changed according to content production.

Thank you

E.O.D.