

Title Maker System



1. Introduction

CICADA is a title maker system which is specially designed for live match broadcasting.

Working with KAZO's match scoring system Ultra Score and sports statistics system can overlay game data on live video automatically.

It comes with different styles of subtitle templates for kinds of sports items.

Meanwhile, editing subtitle manually is available.

It's easy to install and use, which can achieve professional and beautiful subtitle effects.

2. Feature

- **Special for sports matches**

Designed for sports matches specially.

Offering designated and professional match subtitle template according to different sports items.

- **Grabbing match data automatically**

Working with KAZO's match scoring system Ultra Score and sports statistics system to grab match real-time data automatically. Editing subtitle manually is also supported.

- **Flexible subtitle templates**

Offering editable subtitle templates and templates customized service.

- **Multiple output ports**

HD-SDI, SD-SDI, HDMI and NDI outputs are supported.

- **Easy to use**

Only one laptop and a title maker box can achieve the match subtitle display.

No need to carry a bulky subtitle server on site any more.

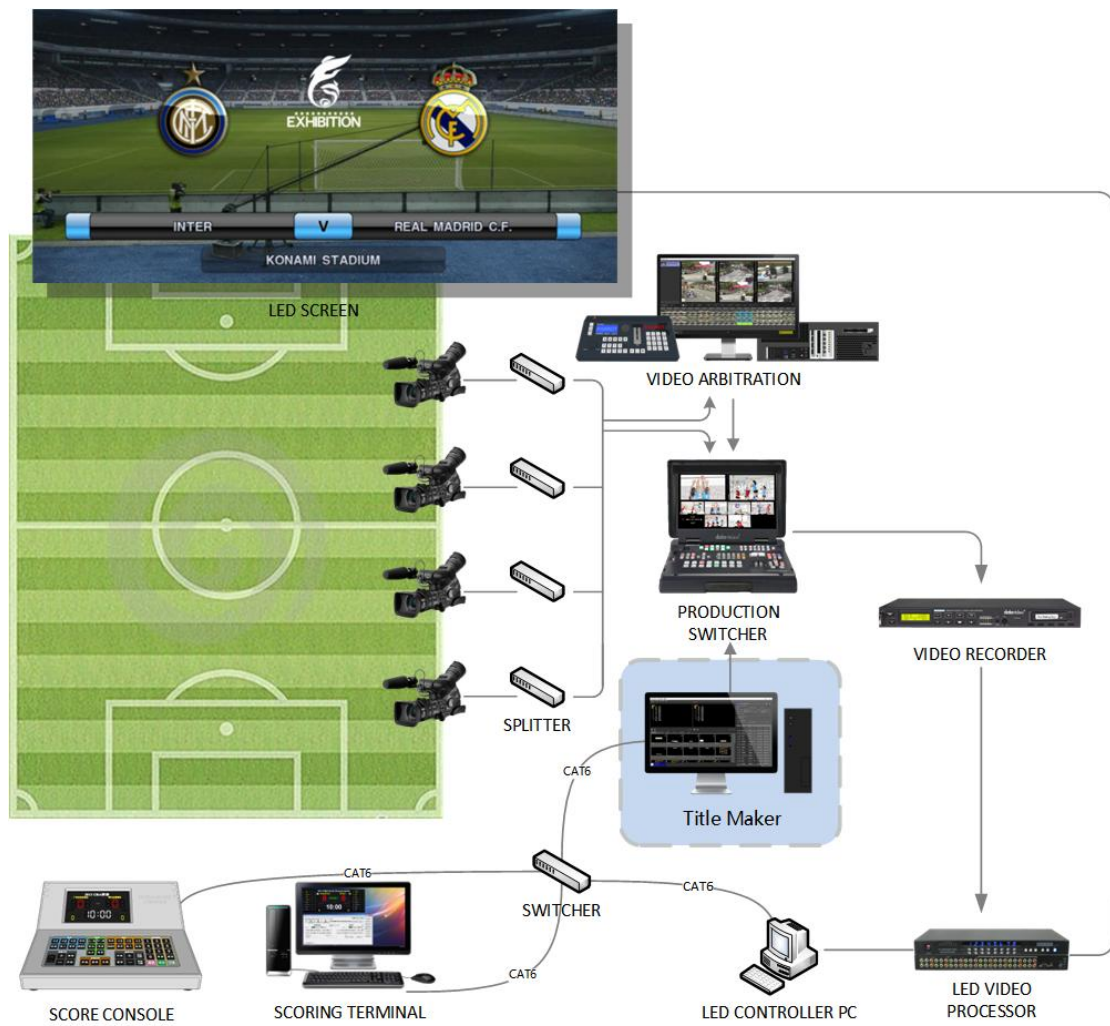
- **Low cost**

To save your cost on purchasing expensive board and server for subtitle making.

- **Opening communication protocol**

Network and serial communication interface protocol are both available which is easy to access to kinds of real-time signals.

3. System Diagram



4. System Configuration

Production	Model	Qt.
Match Scoring System		
Ultra Score Software	Standard Network Edition	1
Score Console	KS-GC16	1
Laptop	/	1
Title Maker System		
Title Maker Server	CICADA_Server	1
Video Cable	CABLE-SDI-2	3
LCD Monitor	/	1

5. Working Mode

- HDMI*1 output

(Only use Title Maker Software)



CICADA



HDMI



Video Switcher

- NDI*1 output

(Only use Title Maker Software)



CICADA



NDI



Live Production Software

- SDI*2 output

(Title Maker Server)



CICADA_Server





SDI



Video Switcher

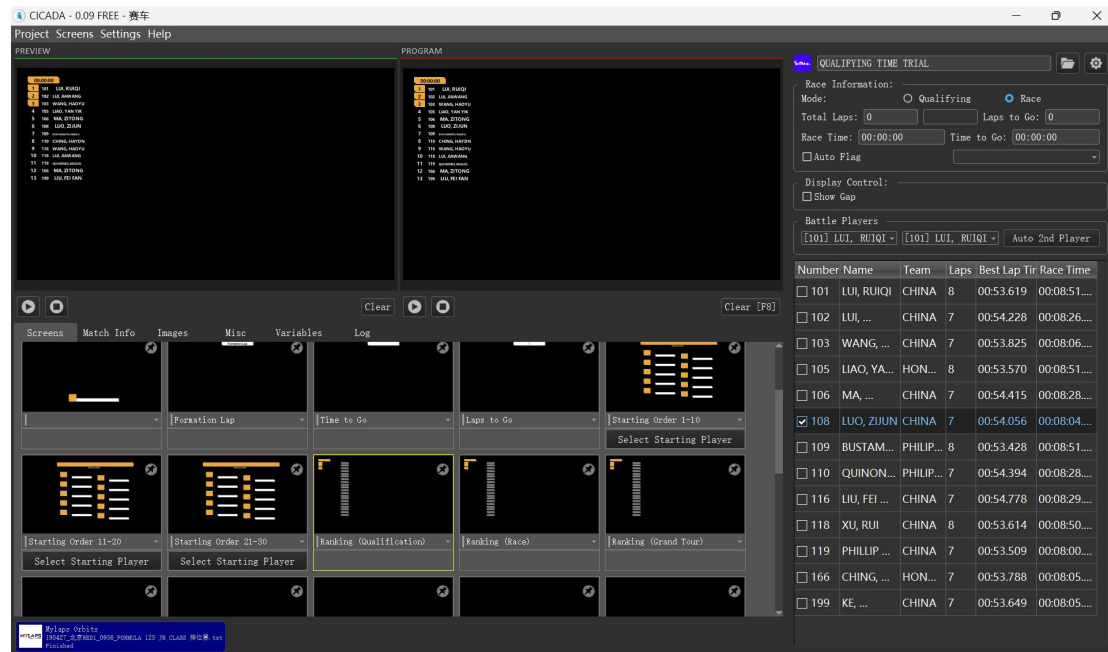
6. Functions Comparison

Function	Title Maker Software	Title Maker Server
		
Operating system	Win 7 / Win 8 / Win 10	Win 10
Manual input	✓	✓
Ultra Score input	✓	✓
Open 3 rd -party communication protocol	✓	✓
NDI output	✓	✓
HDMI output	✓	✓
SDI output (Key Fill / source)	✗	✓
DSK	✗	✓
Overlay	✗	✓
Genlock	✗	✓

7. Title Maker Software

Item	Details
Title Maker Software	<p>Model: CICADA Output: HDMI/NDI Resolution: 1080P Functions:</p> <ul style="list-style-type: none"> ● To create match subtitle including, Match name, logo and special graphics; Referee, team and player's information; Timing, scoring, players' foul, time out and substitution of players. ● To grab match data from Ultra Score software automatically and to display the match time, score and player's information in real-time. ● To obtain and display sports statistics automatically when working with sports statistics software. ● To edit and modify sports data manually. Subtitle is allowed to be edited on the background when broadcasting. ● To display several subtitles at the same time. ● To preview effects in real-time.

Software Interface



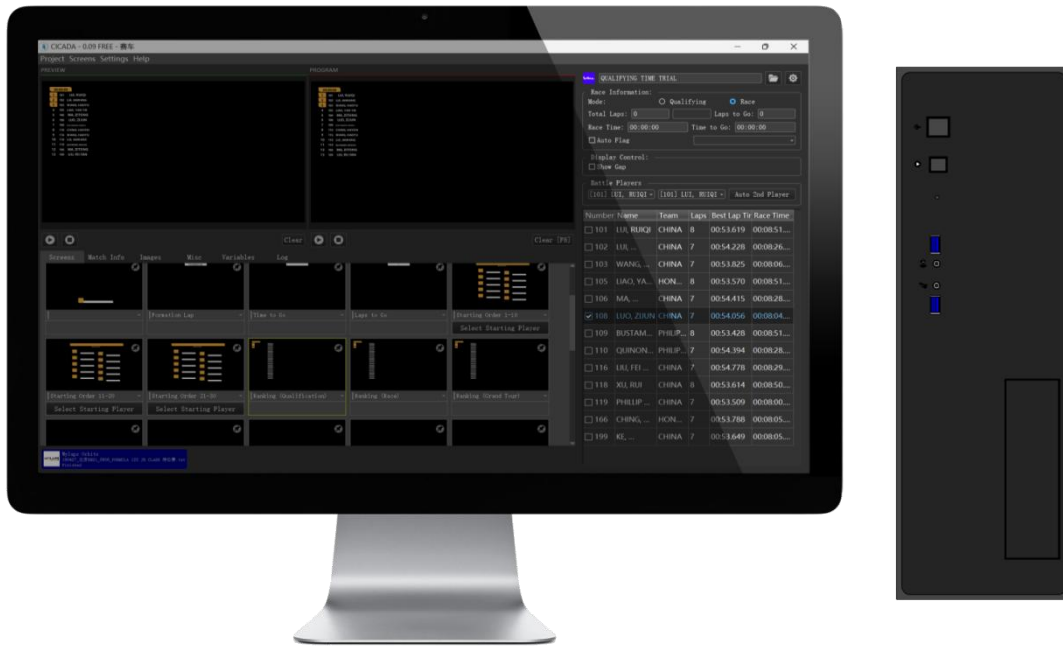
Display effects.

The image shows a graphic for a LaLiga match between FC Barcelona and Real Madrid. The graphic is overlaid on a background of a football stadium. At the top, the text 'LaLiga' is displayed in a blue banner. Below this, the FC Barcelona logo is on the left and the Real Madrid logo is on the right. The player lineups are presented in two columns, one for each team, with player names and their jersey numbers. The FC Barcelona lineup includes Messi (10), Brayo (12), Neymar Jr. (11), Jordi Alba (18), Pique (3), Iniesta (8), I. Rakitic (4), Suarez (9), Mascherano (14), Sergio (5), and Dani Alves (6). The Real Madrid lineup includes Curyajal (15), Bale (11), Casheiro (14), Benzema (9), Kroos (8), Marcel (12), C. Ronaldo (7), Pepe (3), Navas (1), S. Ramos (4), and Modric (19).

LaLiga			
FC B		REAL MADRID	
10	MESSI	CARYAJAL	15
12	BRAYO	BALE	11
11	NEYMAR JR.	CASEHIRO	14
18	JORDIALBA	BENZEMA	9
3	PIOUE	KROOS	8
8	INIESTA(C)	MARCELD	12
4	I.RAKITIC	C.RONALDO	7
9	SUAREZ	PEPE	3
14	MASCHERANO	NAVAS	1
5	SEROIO	S.RAMOS	4
6	DANI ALYES	MODRIC	19

8. Title Maker Server

Item	Details
Title Maker Server (Monitor not included)	Model: CICADA_Server Operating Systems: Windows 10 Output: SDI*3 Resolution: 1920×1080p/60Hz



Device Specification

Model	CICADA_Server
Processor	Intel core i7
Ram	16GB
Operating System	Windows 10
Output	SDI*3
Size	9.26x29×29.2(mm)
Net Weight	5.5 KG
Color	Black
Environmental	
Operating Temp	-5°C~45°C
Storage Temp	-40°C~80°C
Relative Humidity	5%~95%, non-condensing
Input Voltage	AC 100V~240V